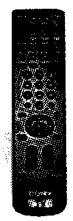
SERVICE MANUAL AA-2D CHASSIS

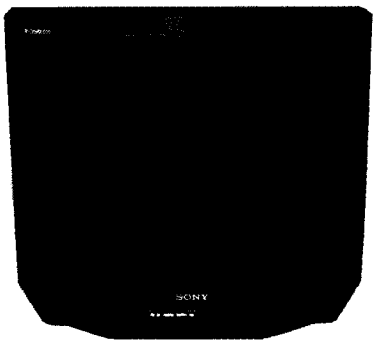
MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-32S22	RM-Y135A	US	SCC-K96E-A
KV-32S22	RM-Y135A	CND	SCC-K97D-A
KV-32S26	RM-Y136A	US	SCC-K96J-A
KV-32S26	RM-Y136A	CND	SCC-K97G-A
KV-32S36	RM-Y136A	US	SCC-K96K-A
KV-32S36	RM-Y136A	CND	SCC-K97H-A
KV-32TW26	RM-Y136A	US	SCC-K96A-A
KV-34RS26C	RM-Y136A	E	SCC-K98E-A

Note: Adjustment Manual for this model is published separately

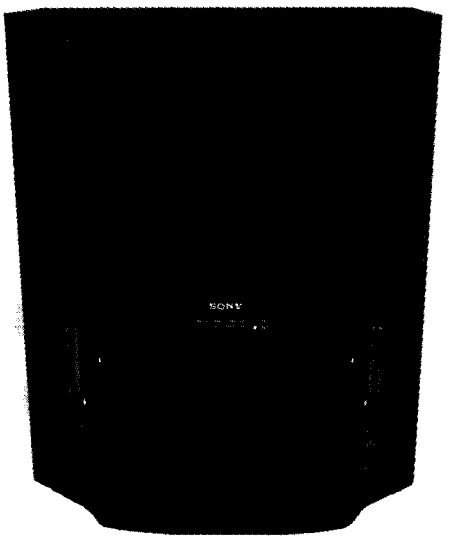
	Adjustment Manual
Part No.	9-965-829-01



RM-Y136A



KV-32S36



KV-32TW26

MICROFILM

996583101

TRINITRON® COLOR TV

SONY®

SPECIFICATIONS

For all models:

Television system	American TV standard
Channel coverage	VHF : 2-13 UHF : 14-69 CATV : 1-125
Antenna	75-ohm external antenna terminal for VHF / UHF
Picture tube	Hi-Black Trinitron® tube

For specific models:

	KV-32S22	KV-32S26	KV-32S36	KV-34RS26C	KV-32TW26
Screen Size (measured diagonally)	32 inch	32 inch	32 inch	32 inch	32 inch
Power requirements	120V, 60Hz	120V, 60Hz	120V, 60Hz	220V, 50/60Hz	120V, 60Hz
Number of inputs/outputs					
Video (1)	1	2	2	2	2
S video (2)	0	1	1	1	1
Audio (3)	1	2	2	2	2
Audio out (4)	1	1	1	1	1
Monitor out (1)	0	-	-	-	-
TV out (1)	-	-	-	-	-
S-Link	-	-	-	-	-
Speaker output (W)	5W x 2	5W x 2	5W x 2	5W x 2	5W x 2
Power consumption (W)					
When in use (Max.)	180W	185W	190W	185W	185W
In Standby	9W	9W	9W	9W	9W
Dimensions (W/H/D)					
(mm)	781 x 712.1 x 582.5 mm	781 x 712.1 x 582.5 mm	781 x 712.1 x 582.5 mm	781 x 712.1 x 582.5 mm	942 x 1133.1 x 661.5 mm
(in.)	$30^{3/4}$ x $28^{1/8}$ x 23 in.	$30^{3/4}$ x $28^{1/8}$ x 23 in.	$30^{3/4}$ x $28^{1/8}$ x 23 in..	$30^{3/4}$ x $28^{1/8}$ x 23 in.	$37^{7/8}$ $44^{5/8}$ x $26^{1/8}$ in
Mass (kg)	64.3 kg	64.3 kg	66 kg	64.3 kg	108.9 kg
(lb)	141 lbs 12oz	141 lbs 12oz	145 lbs 9oz	141 lbs 12oz	240 lbs
Supplied accessories Remote commander (w/ 2 size AA (R6) batteries)	RM-Y135A	RM-Y136A	RM-Y136A	RM-Y136A	RM-Y136A

(1) 1 Vp-p, 75 ohms unbalanced, sync negative
(2) Y: 1 Vp-p, 75 ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms
(3) 500 mVrms (100% modulation); Impedance: 47 kilohms
(4) More than 408 mVrms at the maximum volume setting (variable)
More than 408mVrms (fix); Impedance: 5 kilohms

*** Design and specifications are subject to change without notice.*

Optional accessories
Connecting cables VMC-810S/820S, VMC-720M, YC-15V/30V, RK-74A
TV Stand SU-32A (KV-32S22 (US only)/KV-32S26/32S36/34RS26C only)
U/V mixer EAC-66

(●)® SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word "SRS" and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

SAFETY CHECK-OUT
(US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampere). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

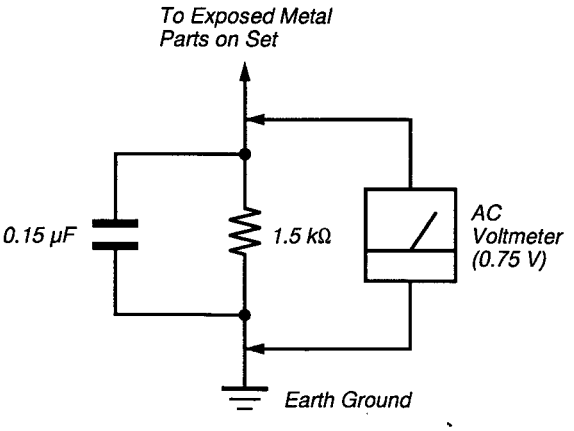


Fig. A. Using an AC voltmeter to check AC leakage.

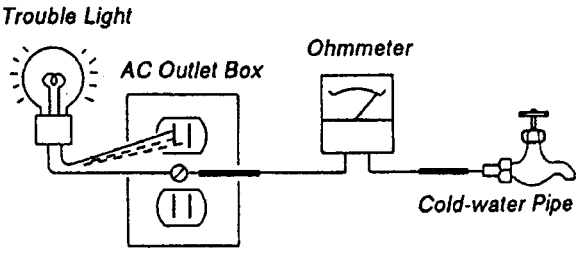


Fig B. Checking for earth ground.

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CAUTION!

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNEIMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONTIONNEMENT SUSPECTE.

The instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers shown reflect those of the Operating Instruction Manual.

SECTION 1 GENERAL

Welcome!

Thank you for purchasing the Sony Trinitron® Color TV. This manual is written for the models listed below. Before reading, check the model number on the rear of your TV.

Model KV-27S26 is used for illustration purposes. The screens displayed are for model KV-35V36. Differences in operation features are indicated in the text; for example, "KV-27S26 only".

Model Number	Single tuner (VCR required for PIP)	Dual tuner (Ready to use PIP)	Light sensor/clock	Tilt correction	Channel fix	Favorite Channel Preset
KV-27S26	•				•	
KV-27S26C		○			•	○
KV-27V25	•		•		•	
KV-27V36		○			•	○
KV-29RS26	•				•	
KV-29RS26C	○				•	
KV-29V36C		•	•		•	•
KV-29V76M	○				•	
KV-29V76M		•	•		•	•
KV-32S26	○				•	
KV-32S36		•			•	•
KV-32TW26	○				•	
KV-32V26	•		•		•	
KV-32V36		○			•	○
KV-34RS26C	•				•	
KV-34V36C		○	○		•	○
KV-35S26	•				•	
KV-35S36		○			•	○
KV-35V36		•	•		•	•
KV-35V76		○	○		•	○
KV-37RS26	•				•	
KV-37V36M		○	○		•	○

Precautions

Safety

- Operate the TV only on 120 V AC (except KV-29RS26C, 29V36C, 34RS26C, 34V36C).
- Operate the TV only on 220 V AC (KV-29RS26C, 29V36C, 34RS26C, 34V36C only).
- The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer (except KV-29RS26C, 29V36C, 34RS26C, 34V36C).
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.
- If you will not be using the TV for several days, disconnect power by pulling the plug itself. Never pull on the cord.

For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS".

Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.

Using This Manual

This manual is divided into four major sections. We recommend that you carefully review the contents of each section in the order provided to ensure that you fully understand the operation of your new TV.

1 **Connecting and Installing the TV.**
This section will guide you through your initial set up. It will show you how to connect your new components, connect to your antenna or cable, and connect any accessories.

2 **Basic Set Up.**
This section will teach you the basic skills needed to operate your new TV. It will show you how to operate special functions of the remote control.

3 **Using your New TV.**
This section will show you how to begin using your new TV. It will show you how to use the AUTO SET UP feature, and how to use your remote control's features.

4 **Adjusting your Set Up (menus).**
This section will teach you how to access on-screen menus and adjust your TV's settings.

Instructions in this manual are written for the remote control. Similar controls may be found on the TV console.

Connecting and Installing the TV

Connector Types

You may find it necessary to use some of the following connector types during set up.

Coaxial Cable
Standard TV Cable and Antenna connector

Plug Type → Press onto connection

Screw-on Type → Screw onto connection

S Video Cable
High quality Video connector for enhanced picture quality

→ Align guides and press onto connection

Audio/Video Cable
Conventional Audio/Video cable

→ Press onto connection
Yellow - Video
White - Audio (Left)
Red - Audio (Right)

S-Link Cable
Sony Link connector (only available on Sony products) for simultaneous control of your components

→ Press onto connection

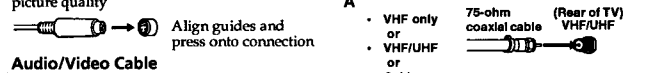
Making Connections

For best picture quality, a cable TV system or outdoor antenna is recommended.

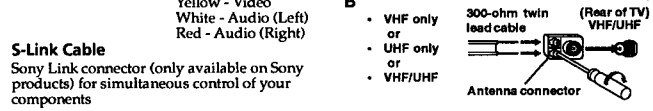
Connecting directly to cable or an antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see **A**); older homes will probably have 300-ohm twin lead cable (see **B**); still other homes may contain both (see **C**).

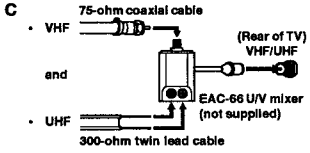
A



B

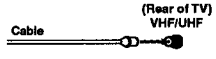


C



Cable or antenna

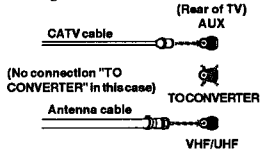
Most simple connection. Connection is made directly from the cable or antenna to the TV.



Cable and antenna

- **KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only**

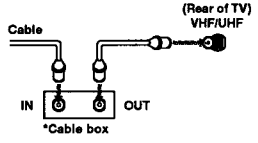
You may find it convenient to use the following set up if your cable provider does not feature local channels that you are able to receive using an antenna.



Select Cable or ANT mode by pressing ANT on the remote control.

Connecting a cable box

Some pay cable TV systems use scrambled or encoded signals that require a cable box* to view all channels.



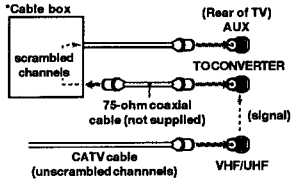
Note:

- If you will be controlling all channel selection through your cable box you should consider using the CHANNEL FIX feature discussed on page 22.

Cable box and cable

- **KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only**

Some pay cable TV systems use scrambled or encoded signals requiring a cable box* only for certain channels (e.g. HBO, SHOWTIME, etc.).



For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

* Your Sony remote control can be programmed to operate your cable box (see page 26).

Notes:

- You cannot watch the signal through the "AUX" input as a window picture when using Picture-in-Picture (PIP).
- If you are connecting a cable box through the "AUX" input and would like to switch between the "AUX" and normal (CATV) input you should consider using the CHANNEL FIX feature discussed on page 22.

Connecting and Installing the TV (continued)

Disconnect all power sources before making any connections.

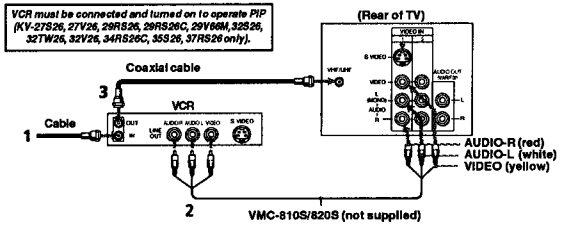
VCR must be connected and turned on to operate PIP (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 32V26, 34RS26C, 35S26, 37RS26 only).

Connecting an antenna/cable TV system with a VCR

1 Attach the coaxial connector from your cable or antenna to IN on your VCR.

2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).*

3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.



Connecting to an S Video equipped VCR (for optimum picture quality)

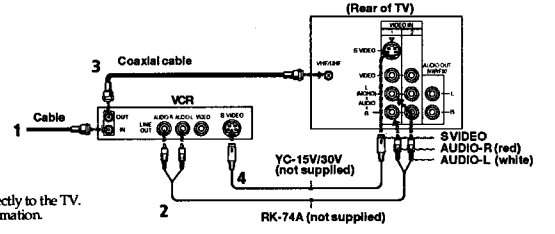
1 Attach the coaxial connector from your cable or antenna to IN on your VCR.

2 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right).*

3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on your TV.

* If you are connecting a monaural VCR, connect only the single audio output to the left input on your TV.



Note on DVD Connection:

- For the best picture quality, connect the DVD player directly to the TV. Refer to your DVD manual for detailed connection information.

Connecting a VCR and TV with a cable box

1 Connect the single (input) jack of the Splitter to your incoming cable connection, and connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.

2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.

3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

Connecting to an S Video equipped VCR with a cable box (for optimum picture quality)

1-2 Perform as described above.

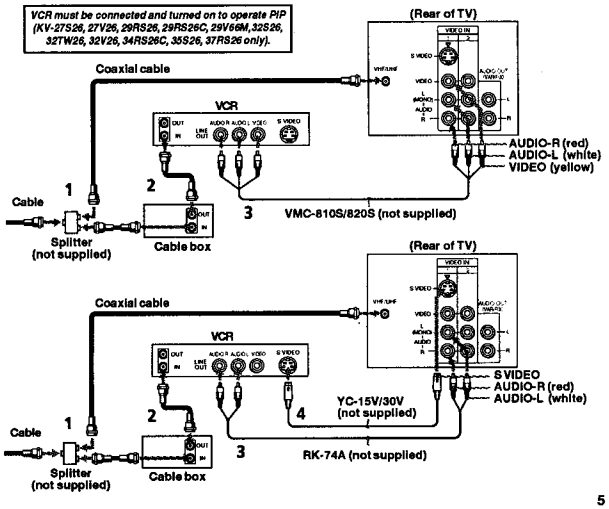
3 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right).

4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on your TV.

Note:

- To view scrambled channels through your cable box, select VIDEO 1 by pressing TV/VIDEO on the remote control.

Disconnect all power sources before making any connections.



Connecting and Installing the TV (continued)

Connecting a DBS (Direct Broadcast Satellite) receiver

1 Connect the cable from your satellite antenna to your DBS receiver.

2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.

3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

1 Connect the cable from your satellite antenna to your DBS receiver.

2 Attach the coaxial connector from your cable or antenna to VHF/UHF-IN on your VCR.

3 Using a coaxial connector, connect VHF/UHF-OUT on your VCR to VHF/UHF on your TV.

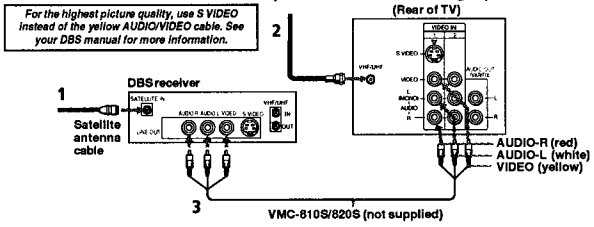
4 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.

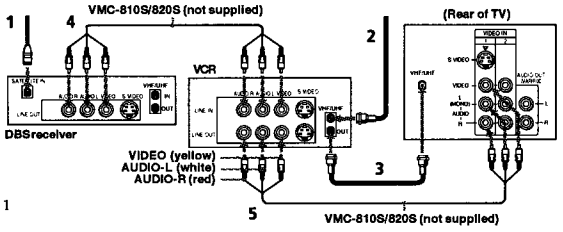
5 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Note:

- To view input from the DBS or VCR, select VIDEO 1 by pressing TV/VIDEO on the remote control.

Disconnect all power sources before making any connections.


For the highest picture quality, use S VIDEO instead of the yellow AUDIO/VIDEO cable. See your DBS manual for more information.
(Rear of TV)
DBS receiver
Satellite antenna cable
AUDIO-R (red)
AUDIO-L (white)
VIDEO (yellow)
VMC-810S/820S (not supplied)



Connecting an audio system

For greater viewing pleasure, integrate your home stereo into the system.

1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, etc.) on your stereo (White-AUDIO Left, Red-AUDIO Right).

2 Set your stereo to the chosen Line input and refer to page 20 of this manual for additional audio setup instructions.

Connecting an AV receiver

- **KV-27V36, 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76, 37V36M only**

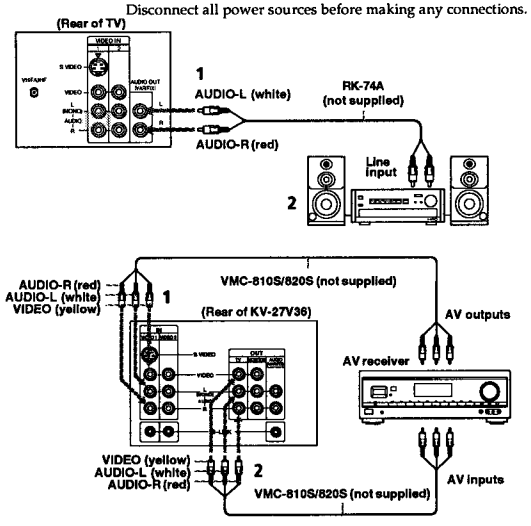
For greater viewing pleasure, connect your AV receiver.

1 Using AUDIO/VIDEO connectors, connect VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your AV receiver.

2 Using AUDIO/VIDEO connectors, connect TV OUT on your TV to TV AUDIO and VIDEO IN on your AV receiver.

You may want to use CHANNEL FIX to fix your TV's input to the AV receiver (VIDEO 1). See CHANNEL FIX, page 22.

Disconnect all power sources before making any connections.



Connecting and Installing the TV (continued)

Connecting two VCRs for tape editing using MONITOR OUT

- **KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only**

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

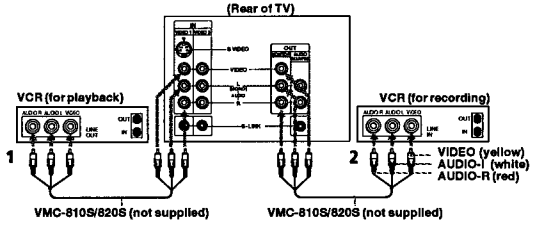
1 Connect the VCR intended for playback using the setup instructions on page 4 of this manual.

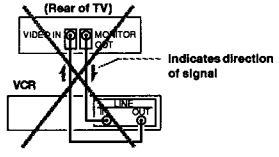
2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

Notes:

- Do not change the input signal while editing through MONITOR OUT.
- When connecting a single VCR to the TV; if VCR LINE OUT is connected to TV VIDEO IN, do not connect the TV MONITOR OUT jacks to the VCR LINE INPUT (see right). Doing so will cause program interference and other viewing problems.

Disconnect all power sources before making any connections.





Using the S-Link function

- **KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only**

S-Link is a Sony innovation designed to make your Sony components work together. It allows you to automatically switch the TV input mode to video when you press PLAY on your Sony S-Link VCR. It also allows you to turn the VCR and TV off at the same time with the SYSTEM OFF button.

1 Connect your VCR using the setup instructions on page 4 of this manual.

2 Using an S-Link connector, connect the S-LINK jacks on your VCR and TV. Ensure that both ends are seated firmly and that the TV S-LINK connector is in the same row as the AUDIO/VIDEO connectors.

Connecting a camcorder

- **KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only**

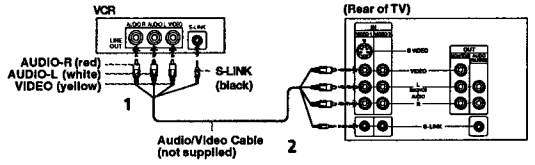
This connection is convenient for viewing a picture directly from your camcorder.

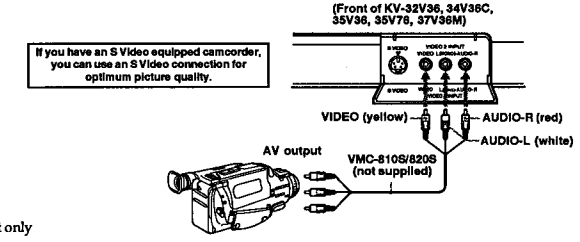
Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on the front panel of your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

Note:

- If you are connecting a monoaural camcorder, connect only the single audio output to the left input on your TV.

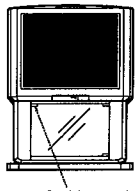
Disconnect all power sources before making any connections.




If you have an S Video equipped camcorder, you can use an S Video connection for optimum picture quality.
(Front of KV-32V36, 34V36C, 35V36, 35V76, 37V36M)
VIDEO (yellow)
AUDIO-R (red)
AUDIO-L (white)
AV output
VMC-810S/820S
(not supplied)

KV-32TW26 and KV-35V76 only

Follow these instructions to install the glass door and adjust the shelf.



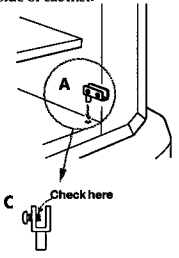
Parts List			
A	Bottom hinge		1
B	Top hinge		1
C	Screw 4x4		4
D	Plate pad		1
E	Plate		1
F	Metal pin		4

Note:

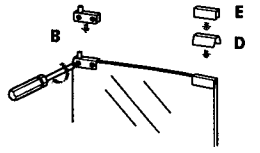
- Confirm that all parts are included before beginning assembly. If any parts are missing, contact your dealer.

Installing the glass door

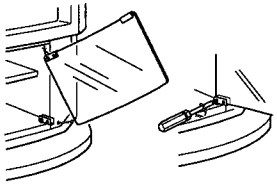
1 Check that the projection of the screw through the bottom hinge **A** does not interfere with the proper installation of the hinge to the glass door, and then insert the hinge into the hole located at the bottom right side of cabinet.



2 Attach the top hinge **B** to the right side of the glass door; tighten the screws snugly, but do not overtighten. Attach the plate pad **D** to the left side and push the plate **E** over the plate pad.

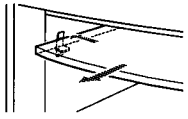


3 Push the top glass door hinge into the top right bushing and gently slide the glass door into the bottom hinge. Adjust the glass door until level, and tighten the hinge screws.

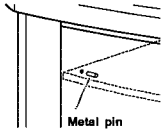


Adjusting the shelf

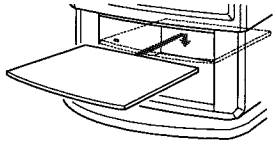
1 Press the upper part of the temporary shelf supports and remove the shelf.



2 Insert the metal pin shelf supports (2 each side).



3 Insert the shelf, ensuring that the pin supports are seated in the grooves on the bottom side of the shelf.



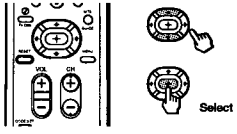
Inserting batteries

Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the battery compartment.

Notes:

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care. Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.
- Your remote control can be programmed to operate most video equipment. See page 24.

Using the remote control Select buttons



The supplied remote control has select buttons which allow for movement of the on-screen selector in four directions. Pressing on the edge of the select buttons will cause the selector to *move* in the selected direction. Pressing the center of the select buttons "⊕" will *activate* the selected item.

Adjusting sliders

When menu items present a slider (▬● or ●▬), use the select buttons (♦ or ♦) to adjust the setting.

On Line Help/Instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions. *When presented, use these to supplement the instructions in this manual.*

Using your New TV

Setting up the TV automatically

The EASY SETUP GUIDE feature will allow you to set the on-screen language and set all receivable channels. The EASY SETUP GUIDE screen will appear every time you turn on the TV until you perform AUTO PROGRAM.

The EASY SETUP GUIDE feature does not apply for installations that use a cable box for all channel selection.

To set up the TV manually, refer to "Using the SET UP menu" on page 22.

Tips

- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- After using EASY SETUP GUIDE you will still have the option of adjusting any of the system settings, like erasing channels, through the SETUP menu (page 22).
- The TV must be set to TV input to execute AUTO PROGRAM. Press ANT until the channel number appears.
- If your cable or antenna is connected to AUX, then press ANT until "AUX" appears next to the channel number. (KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only)

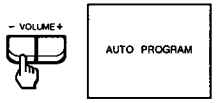
Using the buttons on the front of the TV:

For KV-27V36, 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76 and 37V36M, the control buttons are located on the top of the TV.

1 Press POWER to turn on the TV.
The EASY SETUP GUIDE screen appears.

2 (Except Canadian models)
Press CHANNEL + to select English screens or CHANNEL – to select Spanish screens.

3 Press VOLUME – to continue or TV/VIDEO for a DEMO of functions and menus.



"AUTO PROGRAM" appears and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, the lowest numbered channel is displayed. If the TV receives cable TV channels, CABLE is set ON automatically.

To perform AUTO SET UP again

- Press SET UP.
- Press CHANNEL + or CHANNEL – to select a language.
- Press Volume – to restore factory settings ("CONTINUE TO AUTO PROGRAM?" will appear on the screen. Press CH+ to execute or CH– to exit).
- Press SET UP to exit.

Note:

- When you perform AUTO PROGRAM, your CHANNEL FIX, TIMER, and CHANNEL BLOCK settings will be erased.

Using your New TV (continued)

Watching the TV

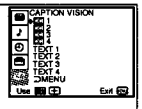
All of the TV features can be accessed via the remote control. The following chart will explain the function of the buttons found on your remote control.

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

TV (FUNCTION)	Activates the remote control for use with the TV.
TV POWER	Turns the TV on and off. If "VIDEO" appears on the screen, press TV/VIDEO or ANT so that a channel number appears.
⓪-⑨	Use for direct channel selection. Press 0-9 to select a channel (for example, to select channel 10, press 1 and 0), the channel will change after 2 seconds, or you can press ENTER for immediate selection.
CH +/–	Press to scan through the channels (+ up or – down).
VOL +/–	Press to adjust the volume (+ up or – down).
JUMP	Press to alternate or *jump* back and forth between two channels. You can only jump between the last two channels that have been selected with the 0-9 keys.
MUTING	Press to mute the sound ("MUTING" will appear on the screen). Press again or press VOL + to restore sound.
FREEZE	Press to *freeze* the window picture while in PIP mode. If you are not in PIP mode, pressing FREEZE will cause the main picture to freeze into a window picture. Great for copying down phone numbers, addresses, recipes, etc.

SLEEP	Press repeatedly until the TV displays the approximate time in minutes (30, 60, or 90) that you want the TV to remain on before shutting off automatically. Cancel by pressing until "SLEEP OFF" appears.
DISPLAY	Press repeatedly to step through available displays: **Status** Channel number, current time, channel caption (if set), and MTS mode (if SAP is selected) are displayed. SAP indication disappears after three seconds. **XDS** XDS (Extended Data Service) shows a network name, program name, program type, program length, call letters, and time of the show if the broadcaster offers this service. **Caption Vision** Caption Vision will be displayed on the screen if the broadcaster offers this service. (see right) To cancel the display, press DISPLAY repeatedly until "DISPLAY OFF" appears. "DISPLAY OFF" disappears after three seconds.
TV/VIDEO	Press repeatedly to step through available video inputs: **TV, Video 1 and Video 2** (KV-27S26, 27S36, 29RS26, 29RS26C, 32S26, 32S36, 32TW26, 34RS26C, 35S26, 35S36, 37RS26 only) **TV, Video 1, Video 2 and Video 3** (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)
ANT	Press to change the VHF/UHF input to the AUX input (KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only) *For detailed connection information, see "Cable box and cable" or "Cable and antenna" on page 3.*
SYSTEM OFF	KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only. Press to turn off the TV and all other equipment connected with S-Link and return the TV input to either antenna or AUX, whichever was last used.
MTS/GUIDE	Press this button to cycle through the Multi-channel TV Sound (MTS) options. (page 20)

CAPTION VISION



Some programs are broadcast with Caption Vision. To display Caption Vision, select CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, or TEXT4 from the menu, then press DISPLAY until Caption Vision is displayed.

CC1, CC2, CC3, or CC4 shows you a caption, that is, a printed version of the dialogue or sound effects of a program. (The mode should be set to CC1 for most programs) TEXT1, TEXT2, TEXT3, or TEXT4 shows you text, that is, information presented using either half or the whole screen. It is not usually related to the program.

Notes:

- Poor reception of TV programs can cause errors in Caption Vision and XDS. Captions may appear with a white box or other errors instead of intended text.
- XDS, Caption Vision, and the status display cannot be used at the same time.

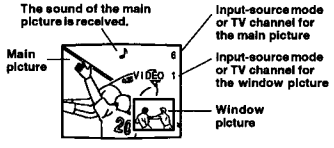
Using your New TV (continued) (Except KV-32S22)

Watching two programs at one time — PIP

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture. This means that two separate tuners must be available to provide the two signals.

Certain models (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, 37RS26 only) are equipped with a single tuner. This simply means that a VCR must be connected and turned on for PIP to operate.

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART


The sound of the main picture is received.
Input-source mode or TV channel for the main picture
Main picture
Input-source mode or TV channel for the window picture
Window picture
VIDEO

Tip

To ensure a correct single tuner PIP connection (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, 37RS26 only), make sure the following list of simple connections is complete before using PIP:

- A cable or antenna is connected to the VCR
- The VCR is connected to your TV
- The VCR is turned on

(for detailed connection information, see page 3-5)

Note:

- You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons.

Use the Yellow Labeled Buttons for PIP Operations:

PIP ⏩	Press once to display the window picture (1/9 size). Press again to reduce the size of the window picture (1/16 size). Press a third time to remove the window picture.
TV/VIDEO ⊙	Press repeatedly to step through available video inputs: **TV, Video 1, Video 2, and Video 3** (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only) *If you use one of the connections from page 4, your PIP input source is the VCR. If you use one of the connections from page 5, your PIP input source is a VCR or cable box.*
AUDIO ⏸	Press to alternate sound between the main picture and the window picture. A ♪ will appear for a few seconds to indicate which picture is receiving sound.

Use the Yellow Labeled Buttons for PIP Operations.	
TV/VTR + ◯ CH - ◯	Press to change the TV channel in the window picture (+ to increase the channel number and – to decrease). For models KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, and 37RS26, if you are watching the video input in the window picture, you must press VTR (FUNCTION), then use the main CH +/- buttons to change channels.
POSITION ◉	Press to move the location of the window picture (counterclockwise) around the main picture.
FREEZE ◀◀	Press to freeze the window picture. Great for copying down phone numbers, addresses, recipes, etc. If a window picture is displayed, then it will be frozen. If only the main picture is displayed, then it will be frozen and displayed as a window picture. *Press FREEZE again to restore the previous screen(s).*
SWAP ▶	Press to switch the audio and video of the main picture and the window picture. Each time you press SWAP, the picture and sound of the two will be *SWAPPED.* *The channels being received through the AUX jack cannot be displayed as a window picture (KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37RS26, 37V36M only).*

Adjusting your SET UP (menus)

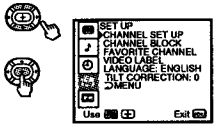
Learning menu selection

Use the MENU button to access a menu and use the Select buttons to alter settings. Use the following example to learn how to modify settings.

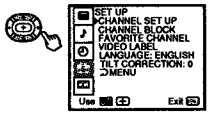
1 Press the MENU button.

The main menu appears.

2 Press the select buttons (♦ or ♦) to highlight the desired menu and press ⊕ to activate it.

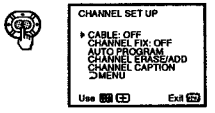


3 Press the select buttons (♦ or ♦) to select the desired option.



4 Press ⊕.

Options for your selection will be displayed.



5 Make your selection and press ⊕ to activate it.

The previous screen will reappear.

When you are done with changes to the selected menu, choose MENU to return to the main menu. Once you have completed all menu corrections, press MENU on the remote control to exit the menu screens.

Note:

- Pressing MENU on the remote control will allow you to exit from the menus.

Using the VIDEO menu

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

To select the VIDEO menu:

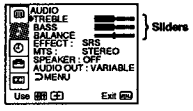
To restore the factory settings

Press RESET on the remote control while the VIDEO menu is displayed.

MODE *Customized picture viewing*	**STANDARD:** Select to receive a standard picture. **MOVIE:** Select to receive a finely detailed picture. **SPORTS:** Select to receive a vivid, bright picture.
PICTURE *Picture Adjustment*	Adjust slider left (cursor down) to decrease picture contrast and soften the color. Adjust slider right (cursor up) to increase picture contrast and create more vivid color.
HUE *Picture Adjustment*	Adjust slider left (cursor down) to decrease the green tones. Adjust slider right (cursor up) to increase the green tones.
COLOR *Picture Adjustment*	Adjust slider left (cursor down) to decrease color intensity. Adjust slider right (cursor up) to increase color intensity.
BRIGHTNESS *Picture Adjustment*	Adjust slider left (cursor down) to darken the picture. Adjust slider right (cursor up) to brighten the picture.
SHARPNESS *Picture Adjustment*	Adjust slider left (cursor down) to soften the picture. Adjust slider right (cursor up) to sharpen the picture.
LIGHTSENSOR *Picture Adjustment*	(KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only) **ON:** TV automatically adjusts the brightness of the picture according to the brightness of the room. **OFF:** Brightness remains at preset value.

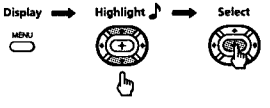
Adjusting your SET UP (menus) (continued)

Using the AUDIO menu



For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

To select the AUDIO menu:



To restore the factory settings

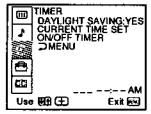
Press RESET on the remote control while the AUDIO menu is displayed.

Tip

Press ⊕ for direct selection of an EFFECT setting.

TREBLE *Sound Adjustment*	Adjust slider left (cursor down) to decrease higher pitched sounds. Adjust slider right (cursor up) to increase higher pitched sounds.
BASS *Sound Adjustment*	Adjust slider left (cursor down) to decrease low pitched sounds. Adjust slider right (cursor up) to increase low pitched sounds.
BALANCE *Sound Adjustment*	Adjust slider left (cursor down) to emphasize left speaker volume. Adjust slider right (cursor up) to emphasize right speaker volume.
EFFECT *Customize sound effect based on the program's audio type.*	**SURROUND:** Simulates theater quality sound (only for stereo programs). (KV-27S26, 27S36, 29RS26, 29RS26C, 32S26, 32S36, 32TW26, 34RS26C, 35S26, 35S36, 37RS26 only) **SRS:** Produces a dynamic three dimensional sound for stereo or encoded audio signals. (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only) **SIMULATED:** Adds a surround-like effect to mono programs. (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)
MTS *Enjoy stereo, bilingual and mono programs.*	**STEREO:** Select for stereo reception when viewing a program broadcast in stereo. **SAP:** Select to listen to bilingual broadcast. (non-SAP programs will be muted when this feature is selected) **MONO:** Select for mono reception. (use to reduce noise during stereo broadcasts) ***Quick MTS access:** Press MTS on your remote to cycle through the MTS options as follows: (STEREO ♦ SAP ♦ MONO ♦ STEREO)*
SPEAKER *Custom selection of audio output source.*	**ON:** Select to listen to the sound from the TV speakers and a separate stereo system. **OFF:** Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers.
AUDIO OUT *Easy control of volume adjustments.*	AUDIO OUT can only be set when speakers are set to OFF. **VARIABLE:** Sound output varies according to the TV settings. Volume, Bass, Treble, and Balance are adjusted through the TV. Useful when you want to use your remote to control the output of a separate audio system. **FIXED:** Sound output is held at a fixed level. Volume, Bass, Treble, and Balance are fixed to the factory settings. Volume adjustments are made through your stereo.

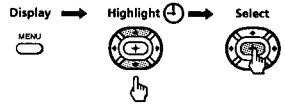
Using the TIMER menu



After setting the clock you can use the timer to turn the TV on and off.

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

To select the TIMER menu:



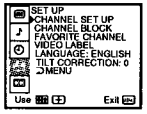
Tip

Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased.

DAYLIGHT SAVING *Automatically adjusts the time.*	**Spring:** Select YES to compensate for Daylight Saving Time. The current time automatically moves one hour ahead. **Fall:** Select NO at the end of Daylight Saving Time. The current time moves back one hour.
CURRENT TIME SET *Necessary for the TIMER.*	CURRENT TIME SET window will appear. 1 Press ♦ or ♦ on the select buttons until the current day (MON-SUN) is displayed. Press ⊕ to select. 2 Press ♦ or ♦ on the select buttons until the current hour (01-12) and AM/PM is displayed. Press ⊕ to select. 3 Press ♦ or ♦ on the select buttons until the current minute (00-59) is displayed. 4 Press ⊕. The Clock has now started. Press MENU to exit.
ON/OFF TIMER *Wake up or scheduled viewing.*	ON/OFF TIMER window will appear. 1 Press ♦ or ♦ on the select buttons until the desired day (MON-SUN) or range of days (EVERY Sun-Sat or EVERY Mon-Fri) is displayed. Press ⊕ to select. 2 Indicate the time (hours then minutes) that you want the TV to turn on by pressing ♦ or ♦ and then ⊕. 3 Set the time duration (maximum of 6 hours) by pressing ♦ or ♦ and then ⊕. **TO CANCEL THE TIMER FUNCTION, PRESS RESET.** 4 Press ♦ or ♦ on the select buttons to select the desired channel. Press ⊕ to select. The timer is now set. The TIMER indicator on your TV will be lit. Press MENU to exit. When you perform AUTO PROGRAM, all TIMER settings will be erased.

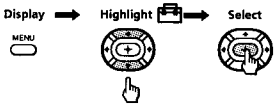
Adjusting your SET UP (menus) (continued)

Using the SET UP menu



For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

To select the SET UP menu:



If any menu items are "grayed out", press the ANT button on your remote so that a channel number appears.

Favorite channel feature is not available for the AUX input.

CHANNEL SET UP *Basic set up options for viewing*	With the CHANNEL SET UP window open: 1 Use ♦ or ♦ to select the feature you want to change. 2 Press ⊕ to access the feature. **CABLE:** Select ON if your TV is connected to a cable system. (AUTO SET UP will set CABLE to ON automatically when it programs the TV) **CHANNEL FIX:** Use this feature to set the TV's input to one of the following options: **2-6:** Choose when the cable box is connected to the VHF/UHF input and you do not want to switch to AUX mode. Once this setting is made you will not be able to use the "TV function" CH+/– to change channels; instead, use the "Cable function" CH +/–. **AUX 2-6:** Choose when a cable box is connected to AUX and a cable or antenna is connected to ANT. You can alternate between the two inputs by pressing ANT on the remote control. (KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only) **VIDEO 1:** Choose when you have connected video equipment (e.g. AV receiver) and you want TV input fixed to it. You will only be able to switch between video sources. *TIMER and CHANNEL BLOCK settings are erased when CHANNEL FIX is set.* **AUTO PROGRAM:** Instructs the TV to automatically program all receivable channels. **CHANNEL ERASE/ADD:** With the CHANNEL ERASE/ADD window open: 1 Place the cursor next to ERASE or ADD. 2 Select the desired channel using CH+/–, or by selecting with the 0-9 buttons and pressing ENTER. 3 Press ⊕ to activate. **CHANNEL CAPTION:** With the CHANNEL CAPTION window open: 1 Press ⊕ and then ♦ or ♦ on the select buttons to select the desired channel, and press ⊕ again. 2 Press ♦ or ♦ on the select buttons to display the first letter or number of the caption and press ⊕ to select it. (Repeat until all four digits are selected) 3 Press ⊕ to activate. *To erase a Caption, press RESET.*

CHANNEL BLOCK *Prevent child access to certain channels.*	You will be able to block two channels. With the CHANNEL BLOCK window open: 1 Select 1 or 2 and press ⊕. 2 Press ♦ or ♦ on the select buttons to display the channel you want to block. 3 Press ⊕ to activate. When you select the blocked channel, "BLOCKED" will appear on the screen. Caption Vision, XDS, and output from the selected channel will also be blocked. To erase your CHANNEL BLOCK settings, press RESET while in the CHANNEL BLOCK window. When you perform AUTO PROGRAM, your CHANNEL BLOCK settings will be erased.
FAVORITE CHANNEL *Quick access to favorite channels*	**Setting FAVORITE CHANNEL:** With the FAVORITE CHANNEL window open: 1 Press ⊕ and then ♦ or ♦ on the select buttons to select AUTO or MANUAL, and press ⊕ again. (Selecting AUTO will cause the last five channels that you chose with the remote control 0-9 buttons to be selected) 2 Press ♦ or ♦ on the select buttons to select 1, 2, 3, 4, or 5 and press ⊕. 3 Press ♦ or ♦ on the select buttons to select the desired channel and press ⊕. 4 For KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only, you can preview your favorite channels in the window picture, to do so, set PREVIEW DISPLAY to ON. **Using FAVORITE CHANNEL:** 1 Press ⌓, and your FAVORITE CHANNEL options appear. 2 Press ♦ or ♦ to select the channel you want to watch, and press ⌓. 3 For models KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only, if PREVIEW is turned on, then a window picture will display your favorite channels as you cycle through the options.
VIDEO LABEL *Easy recognition of connected equipment (e.g. DBS, VHS, etc.).*	This feature allows you to label each input mode so that you can easily identify the connected equipment (e.g. you can label VIDEO 1 IN as VHS). 1 Press ♦ or ♦ on the select buttons to select the input mode you want to label and press ⊕. 2 Press ♦ or ♦ to select the label and press ⊕. **VIDEO LABEL Options:** Video 1: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB, RECEIVER Video 2/3: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB
LANGUAGE	(Except Canadian models) Select from available languages to cause all menus to appear in your language of choice.
TILT CORRECTION *Adjust your picture.*	Use this feature to correct any tilt of the picture KV-35S26, 35S36, 35V36, 35V76, 37RS26, 37V36M only. Press ♦ or ♦ on the select buttons to select a correction between +5 and –5 and press ⊕.

Operating video equipment

Setting the manufacturer's code

You can use the supplied remote control to operate Sony or non-Sony video equipment that has an infrared sensor.

1 Press CODE SET.
2 Press VTR (FUNCTION).
3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart.
4 Press ENTER.

VCR manufacturer code numbers

Manufacturer	Code
Sony	301, 302, 303
Aiwa	338, 344
Admiral (M. Wards)	327
Audio Dynamic	314, 337
Bell & Howell (M. Wards)	330, 343
Broksonic	319, 317
Canon	309, 308
Citizen	332
Craig	315, 302, 332
Criterion	315
Curtis Mathis	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	304
Emerson	319, 320, 316, 317, 318,341
Fisher	330, 334, 335, 333
Funai	338
General Electric	329, 304, 309
Go Video	322
Goldstar	332
Hitachi	306, 304, 305,338
Instant Replay	309, 308
JC Penney	309, 305, 304, 330, 314, 336, 337
JVC	314, 336, 337
Kenwood	314, 336, 332, 337
LXI (Sears)	332, 305, 333, 334, 330, 335, 338
Magnavox	308, 309, 310
Marantz	314, 336, 337
Marta	332
Memorex	309, 335
Minolta	305, 304
Mitsubishi/MGA	323, 324, 325, 326
Multitech	325, 338, 321
NEC	314, 336, 337
Olympic	309, 308
Optimus	327
Panasonic	308, 309, 306, 307
Pentax	305, 304
Philco	308, 309
Philips	308, 309, 310
Pioneer	308
Quasar	308, 309, 306
RCA/PROSCAN	304, 305, 308, 309, 311, 312, 313, 310, 329
Realistic	309, 330, 328, 335, 324, 338
Sansui	314
Singer	315
Samsung	322, 313, 321
Sanyo	330, 335
Scott	312, 313, 321, 335, 323, 324, 325, 326
Sharp	327, 328
Shintom	315
Signature 2000 (M. Wards)	338, 327
Sylvania	308, 309, 338, 310
Symphonic	338
SV2000	338
Tashiro	332
Tatung	314, 336, 337
Teac	314, 336, 338, 337
Technics	309, 308
Toshiba	312, 311
Wards	327, 328, 335, 331, 332
XR-1000	315
Yamaha	330, 314, 336, 337
Zenith	331

MDP manufacturer code numbers

Manufacturer	Code
Sony	701
Kenwood	707
Magnavox	703
Marantz	702
Mitsubishi	702
Panasonic	704, 710
Philips	703

Pioneer	702
RCA	702, 709
Sanyo	706
Sharp	705
Yamaha	703, 708

Tips

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- The code numbers for Sony equipment are assigned at the factory as follows:

VHS VCR	301 (preset code for the supplied remote control)
8 mm VCR	302
Beta, ED Beta VCRs	303

- When you remove the batteries, the code number may revert to the factory setting.

Operating a VCR	Buttons on the remote control
To turn on or off	Press VTR (POWER).
To select a channel directly	Press the 0 – 9 buttons.
To change channels	Press CH +/–.
To record	Press ► while pressing ●. First release ►, then release ●.
To play	Press ►.
To stop	Press ■.
To fast forward	Press ►►.
To rewind the tape	Press ◄◄.
To pause	Press II. To resume normal playback, press again.
To search the picture forward or backward	Press ►► or ◄◄ during playback. To resume normal playback, release the button.
To change input mode	Press TV/VTR.

Operating an MDP	Buttons on the remote control
To turn on or off	Press VTR (POWER).
To play	Press the ►.
To stop	Press ■.
To pause	Press II. To resume normal playback, press again.
To search the picture forward or backward	Keep pressing ►► or ◄◄ during playback. To resume normal playback, release the button.
To search the chapter forward or backward	Press CH +/–.

Operating a cable box or DBS receiver

Programming the remote

You can program the supplied remote control to operate a cable box or DBS receiver.

1 Press CODE SET.

2 Press DBS/CABLE (FUNCTION).

3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart.

4 Press ENTER.

To operate the TV

Press TV (FUNCTION). Then use the TV control buttons to control the TV.

For more details on operating the cable box or DBS receiver

Refer to the operating instructions that come with the equipment.

If the remote control doesn't work

- First, try repeating the setup procedures using the other codes listed for your equipment.

Tips

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's own remote control unit.
- Whenever you remove the batteries—to replace them, for example—if too much time is taken, the code numbers may revert to the factory setting and must be reset.

Manufacturer code numbers (cable box)

Manufacturer	Code number
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

Manufacturer code numbers (DBS receiver)

Manufacturer	Code number
Sony	801 (preset code for remote control)
General Electric	802
RCA/PROSCAN	802

Troubleshooting

Troubleshooting

Cannot Operate Single-Tuner PIP (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, 37RS26 only)

- Check that cable is connected to the VCR, and the VCR is turned on.
- Check that the VCR is connected to the TV.

No picture (screen not lit), no sound

- Make sure the power cord is plugged in.
- Operate with the buttons on the TV and the remote control.
- Insert the batteries in the remote control with the correct polarity.
- Replace the batteries with new ones if they are weak.
- Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching video tapes, set to VIDEO1, 2, or 3.
- Try another channel. *It could be station trouble.*
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)

Poor or no picture (screen lit), good sound

- Adjust PICTURE in the VIDEO menu. (page 19)
- Adjust BRIGHTNESS in the VIDEO menu. (page 19)
- Check antenna/cable connections.
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)
- Remove objects from the front of TV.
- Check the LIGHTSENSOR setting in the VIDEO menu. (page 19)

Good picture, no sound

- Press MUTING so that "MUTING" disappears from the screen. (page 14)
- Check the MTS setting in the AUDIO menu. (page 20)
- Make sure SPEAKER is set to ON in the AUDIO menu. (page 20)
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)

No color

- Adjust the COLOR in the VIDEO menu. (page 19)
- Black and white programs cannot be seen in color.
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)

Only snow and noise appear on the screen

- Check the CABLE setting in the SET UP menu. (page 22)
- Check the antenna/cable connections.
- Make sure the channel is broadcasting programs.
- Press ANT to change the input mode. (page 15)

Dotted lines or stripes

- Adjust the antenna.
- Move the TV away from noise sources such as cars, neon signs, or hair-dryers.

Double images or ghosts

- Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings).

Cannot operate menu

- If the item you want to choose appears in gray, you cannot select it. Press TV/VIDEO correctly.

Troubleshooting (continued)

Cannot receive upper channels (UHF) when using an antenna

- Make sure CABLE is OFF in the SET UP menu. (page 22)
- Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (page 22)

Cannot receive any channels when using cable TV

- Make sure CABLE is ON in the SET UP menu. (page 22)
- Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (page 22)

Remote control does not operate

- Batteries could be weak. Replace the batteries.
- Press TV (FUNCTION) when operating your TV.
- Make sure the TV's power cord is connected securely to the wall outlet.
- Locate the TV at least 3-4 feet away from fluorescent lights.
- Check the S-Link connection. (page 4,5)

Cannot gain enough volume when using a cable box

- Increase the volume at the cable box. Then press TV (FUNCTION) and adjust the TV's volume.

TV is fixed to one channel

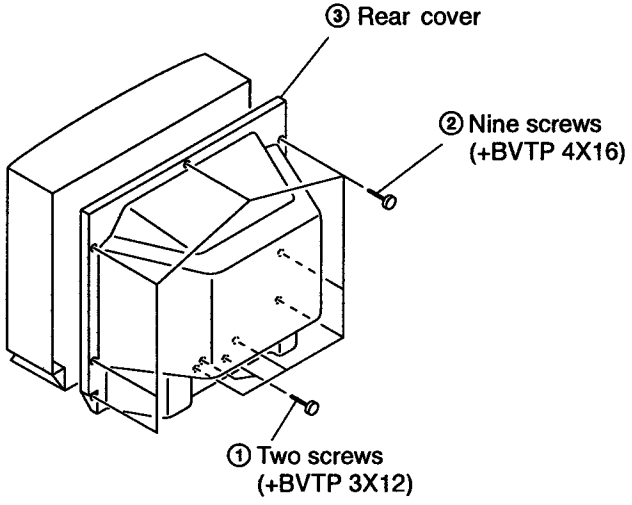
- Try turning CHANNEL FIX off. (see page 22)
- Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory. (page 22)
- To reset the TV: First, turn the TV on. Then, while pressing the RESET key on the remote control, press the POWER Key on the TV. The TV will turn itself off, then back on. When the TV turns on again, all settings will be reset, and the EASY SETUP GUIDE will appear.

TV malfunctions when using the S-Link function (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)

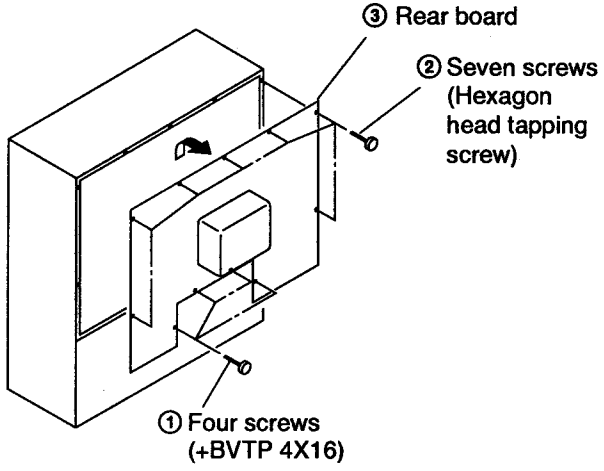
- Make sure the TV's power cord is connected securely to the wall outlet.
- Check the S-Link connection. (page 4,5)

SECTION 2
DISASSEMBLY

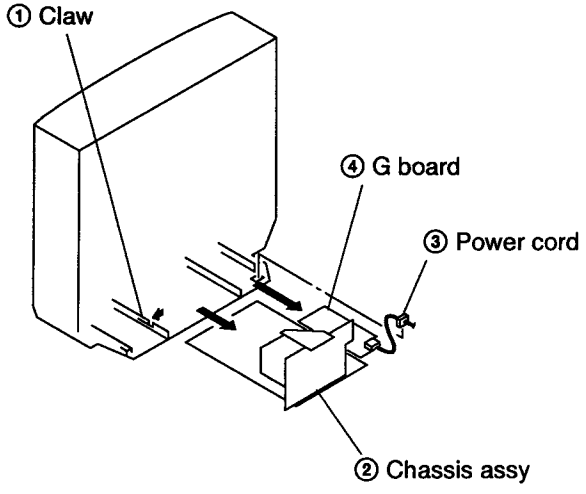
2-1-1. REAR COVER REMOVAL (KV-32S22/32S26/32S36/34RS26C)



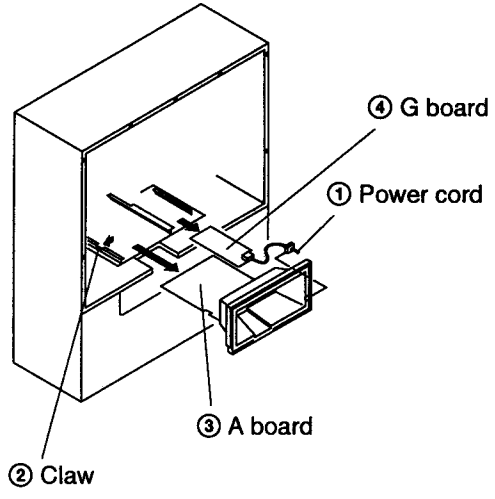
2-1-2. REAR BOARD REMOVAL (KV-32TW26)



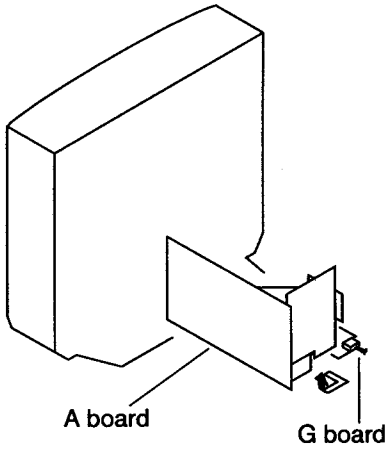
2-2-1. CHASSIS ASSY REMOVAL (KV-32S22/32S26/32S36/34RS26C)



2-2-2. CHASSIS ASSY REMOVAL (KV-32TW26)



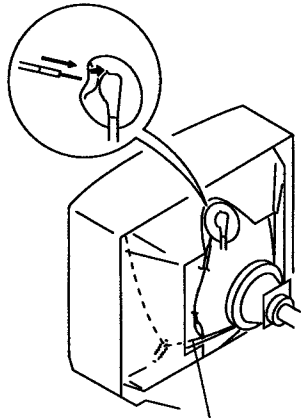
2-3. SERVICE POSITION

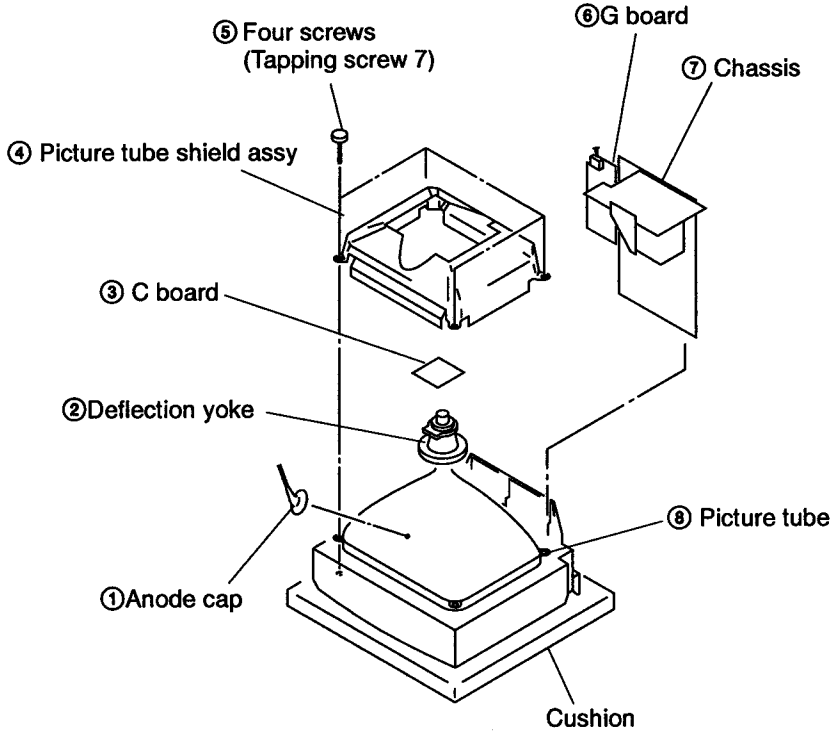


2-4-1. PICTURE TUBE REMOVAL (KV-32S22/32S26/32S36/34RS26C)

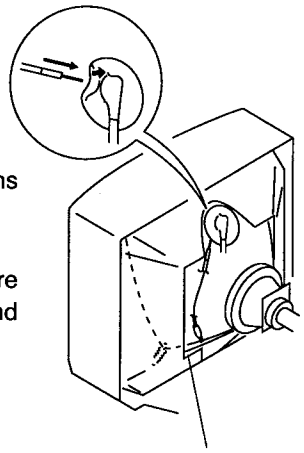
WARNING before removing anode cap: H.V. remains in the CRT even after the power is disconnected.

To avoid electrical shock, remove the anode cap before attempting to discharge CRT: Short between anode and CRT coated earth ground strap.





2-4-2. PICTURE TUBE REMOVAL (KV-32TW26 only)



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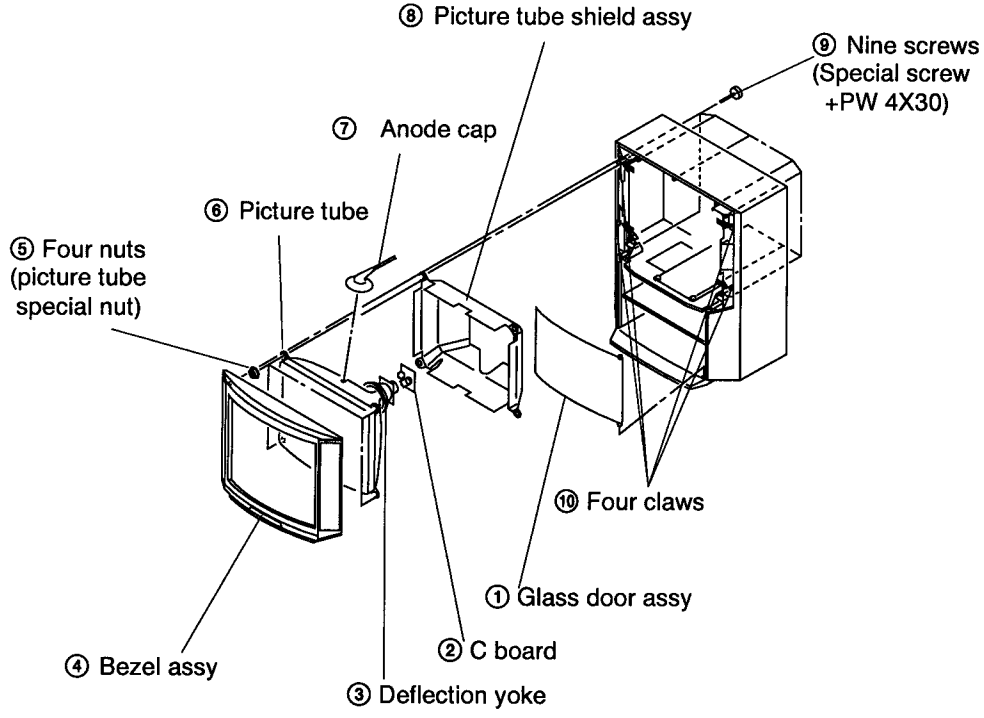
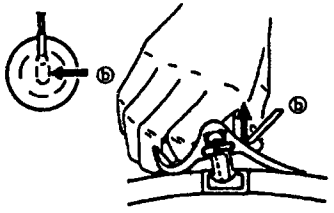

⑧ Picture tube shield assy
⑨ Nine screws (Special screw +PW 4X30)
⑦ Anode cap
⑥ Picture tube
⑤ Four nuts (picture tube special nut)
⑩ Four claws
① Glass door assy
② C board
④ Bezel assy
③ Deflection yoke

• REMOVAL OF THE ANODE-CAP

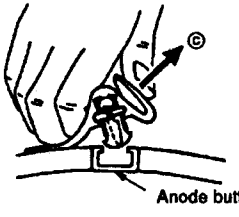
NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

• REMOVAL PROCEDURES

① Turn up one side of the rubber cap in the direction indicated by arrow ⓐ.



② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ⓑ.



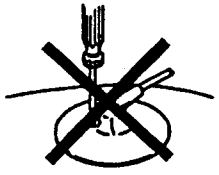
③ When one side of the rubber cap separates from the anode button, the anode-cap can be removed by turning the rubber cap and pulling it in the direction of arrow ⓒ.

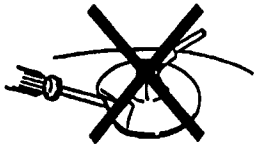
• HOW TO HANDLE AN ANODE-CAP

Do not use sharp objects which may cause damage to the surface of the anode-cap.

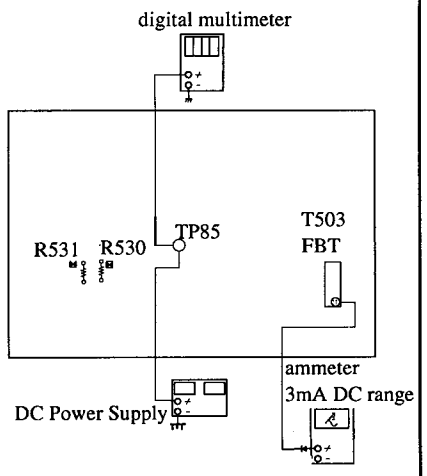
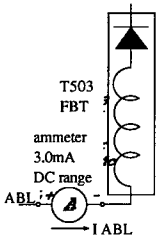
Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material fitting called a shatter-hook terminal is built into the rubber.

Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.





SECTION 3
SAFETY RELATED ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
◪ RESISTOR CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS The following adjustments should always be performed when replacing the components marked with ◪ on the A and G Board schematic diagrams. (Hold-down operation confirmation)		◪ marked parts A Board IC351,IC501 D519,D520,D521, C531,C532,R387, R529,R530,R531 R532,R533,R550,T503 G Board IC643, R661	◪ R530,531	A BOARD - CONDUCTOR SIDE - 
Step 1 Preparation before confirmation: a) Turn the POWER switch ON, input a white signal and set the PICTURE and BRIGHTNESS controls to maximum.	White Picture	TP85 (H. PROT)	PICTURE BRIGHTNESS .....maximum }	
b) Confirm that the voltage at the check terminal of TP85 is more than 18.0 VDC when the set is operating normally. (120 ± 2.0 VAC) or (220 ±2.0 VAC for KV-34RS26C)	Digital multimeter			
Step 2 Input a white signal and verify that I ABL is within the specified range.	White Picture			[Check Condition]Step 2 2160 ±100 µA 120 $^{+2.0}_{-0}$VAC (Power Supply) 220 $^{+2.0}_{-0}$ VAC (Power Supply) (KV-34RS26C only)
Step 3 Record the voltage between TP85 and ground.				
Step 4 Using an external DC power supply, apply voltage between TP 85 and ground. Increase the voltage gradually and confirm that the hold-down works (raster disappears) at lower than the voltage recorded in Step 3.				[Check Condition]Step 4 lower than 22.05 V DC 120 $^{+2.0}_{-0}$ VAC (Power Supply) 220 $^{+2.0}_{-0}$ VAC (Power Supply) (KV-34RS26C only)
Step 5 Confirm that a voltage of more than 18.0 VDC appears between TP85 and ground.	White Picture		PICTURE BRIGHTNESS .....maximum	[Check Condition]Step 5 more than 18.0V DC 120 $^{+2.0}_{-0}$ VAC (Power Supply) 220 $^{+2.0}_{-0}$ VAC (Power Supply) (KV-34RS26Conly)

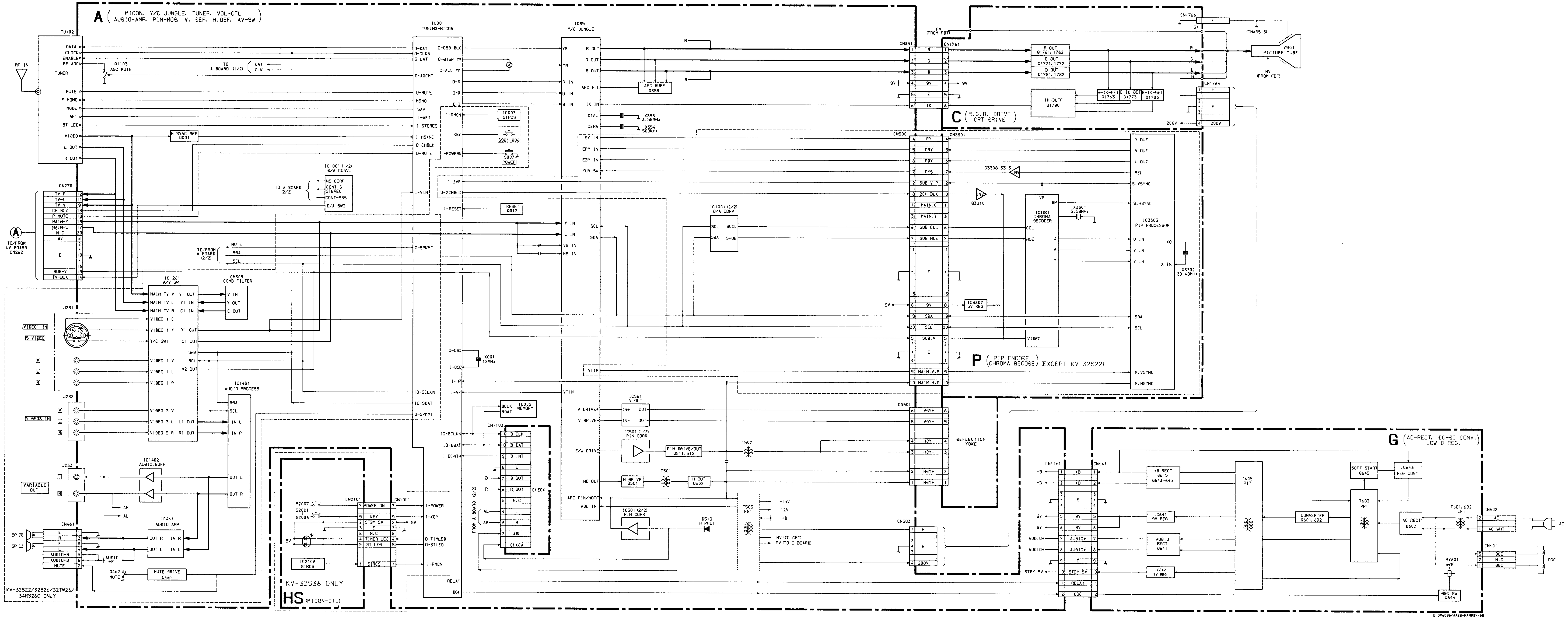
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
B+ VOLTAGE CONFIRMATION The following adjustments should always be performed when replacing the components marked with ◪ on the schematic.		G-Board IC643, R661		
1) Supply AC Voltage with a variable auto-transformer.	Variable auto-transformer			130 $^{+2.0}_{-0}$ V AC 220 $^{+2.0}_{-0}$ V AC (KV-34RS26C only)
2) Input an entirely monoscope signal.	Monoscope			
3) Set the PICTURE control and the BRIGHTNESS control to initial reset value.			PICTURE, BRIGHTNESS ..... initial reset	
4) Confirm the voltage of the G board CN641 between pin 1 to ground is less than 136.5 VDC.		G Board CN641 Pin 1 - ground		
5) If step 4) is not satisfied, replace the R661 and repeat above steps.				

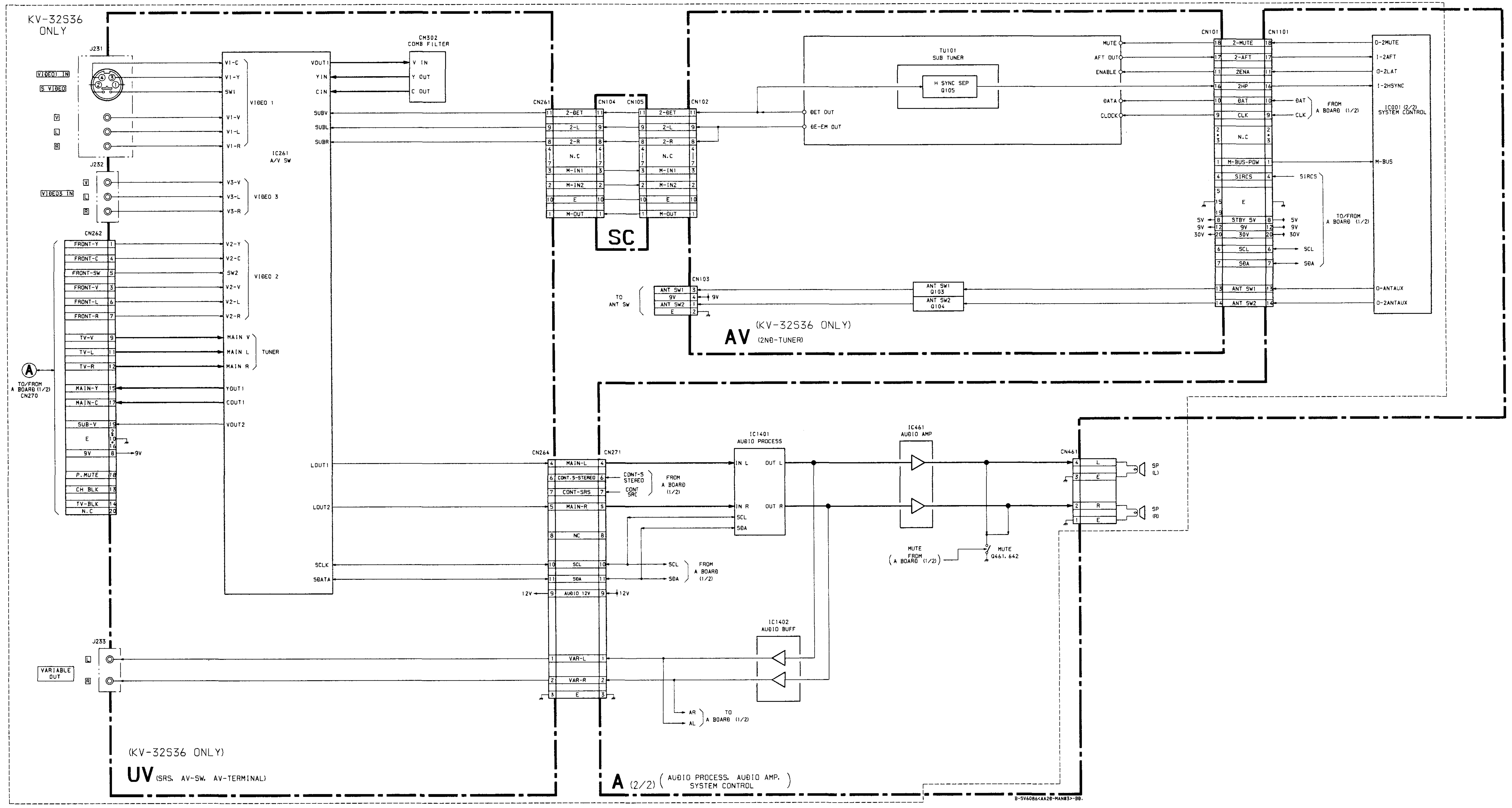
NOTES:

NOTES:

SECTION 4 DIAGRAMS

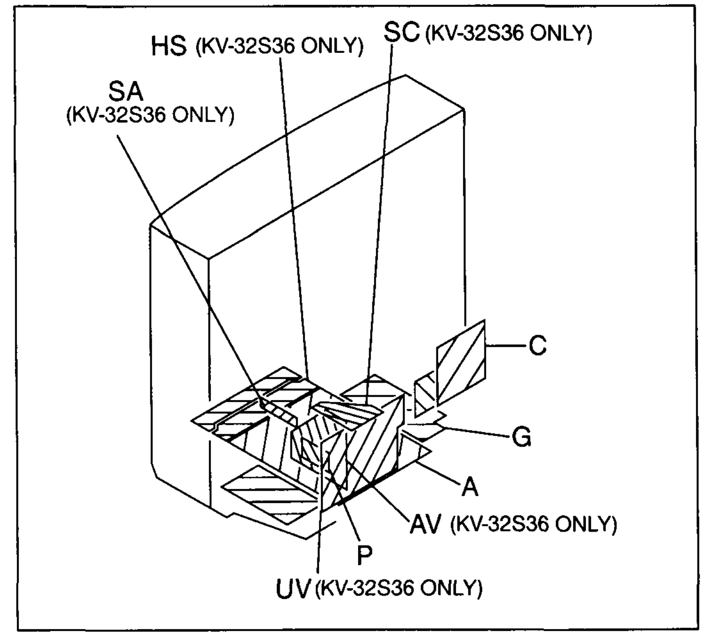
4-1. BLOCK DIAGRAM


A (MICON, Y/C JUNGLE, TUNER, VOL-CTL AUDIO-AMP, PIN-MOD, V. DEF, H.DEF, AV-SW)
TU102
TUNER
RF IN
Q1103 AGC MUTE
IC001 TUNING-MICON
IC351 Y/C JUNGLE
AFC BUFF Q358
X353 3.58MHz
X354 500KHz
IC003 SIRCS
S001-006
S007 POWER
H SYNC SEP Q001
IC1001 (1/2) D/A CONV.
IC1001 (2/2) D/A CONV
RESET Q017
CN270
TO/FROM UV BOARD CN262
IC1261 A/V SW
CM305 COMB FILTER
J231
VIDEO1 IN
S VIDEO
J232
VIDEO3 IN
IC1401 AUDIO PROCESS
J233
VARIABLE OUT
IC1402 AUDIO BUFF
IC461 AUDIO AMP
CN461
SP (R)
SP (L)
Q462 MUTE
MUTE DRIVE Q461
KV-32S22/32S26/32TW26/34RS26C ONLY
X001 12MHz
IC002 MEMORY
CN1103
CHECK
FROM A BOARD (2/2)
CN2101
CN1001
S2007
S2001
S2006
IC2103 SIRCS
KV-32S36 ONLY
HS (MICON-CTL)
IC561 V OUT
IC501 (1/2) PIN CORR
PIN DRIVE/OUT Q511, 512
T502
H DRIVE Q501
T501
H OUT Q502
IC501 (2/2) PIN CORR
D519 H PROT
T503 FBT
HV (TO CRT)
FV (TO C BOARD)
CN351
CN1761
R OUT Q1761, 1762
G OUT Q1771, 1772
B OUT Q1781, 1782
IK-BUFF Q1790
R-IK-DET Q1763
G-IK-DET Q1773
B-IK-DET Q1783
C (R.G.B. DRIVE CRT DRIVE)
CN1766
CN1764
(CHASSIS)
V901 PICTURE TUBE
HV (FROM FBT)
FV (FROM FBT)
CN3001
CN3301
Q3308, 3313
Q3310
IC3301 CHROMA DECODER
X3301 3.58MHz
IC3303 PIP PROCESSOR
X3302 20.48MHz
IC3302 5V REG
P (PIP ENCODE CHROMA DECODE) (EXCEPT KV-32S22)
CN501
DEFLECTION YOKE
CN503
G (AC-RECT, DC-DC CONV. LCW B REG.)
CN1461
CN641
+B RECT D615 D643-645
IC641 9V REG
AUDIO RECT D641
IC642 5V REG
T605 PIT
CONVERTER Q601, 602
T603 PRT
SOFT START Q645
IC643 REG CONT
AC RECT D602
T601, 602 LFT
CN602
AC IN
CN60
RY601
DGC SW Q644
DGC
B-SV6086<AA2D-MAN#3>-BD.



SECTION 4 DIAGRAMS

4-2. CIRCUIT BOARDS LOCATION



4-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:
- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms.
  kΩ=1000Ω, MΩ=1000kΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch : 5mm
  Rating electrical power : 1/4 W
- 1/4 W in resistance, 1/10 W and 1/8 W in chip resistance.
- : nonflammable resistor.
- : fusible resistor.
- Δ : internal component.
- : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by ▣ in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
  Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪, make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ▣ and repeat the adjustment until the specified value is achieved.
  (Refer to R530 and R531 adjustment on Page 15 – 16.)
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced(◪)	Adjustment(▣)
IC351,IC501,D519,D520,D521 C531,C532,R387,R529,R530,R531, R532,R333R550,T503.......A BOARD IC643,R661.......................G BOARD	R530,R531

- Readings are taken with a color-bar signal input.
- Readings are taken with a 10MΩ digital multimeter.
- Voltages are DC with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
  S : Measurement impossibillity.
- : B+line.
- : B-line.
  (Actual measured value may be different).
- : signal path. (RF)
- Circled numbers are waveform references.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: ※	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note:

The symbol display is on the component side.
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.
The symbol indicate fast operating fuse.
Replace only with fuse of same rating as marked.

Note:

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Le symbole indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme maque.

P BOARD IC VOLTAGE LIST

	pin	volt		pin	volt		pin	volt
IC3301	1	GND		20	3.0		13	NC
	2	NC		21	3.0		14	-3.0
	3	GND		22	4.7		15	GND
	4	4.0		23	GND		16	GND
	5	6.8		24	2.9		17	0.7
	6	GND	IC3302 IN	9.1			18	0.5
	7	0.2	OUT	5.3			19	0.2
	8	0	IC3303 1	GND			20	0.3
	9	1.8		2	3.2		21	5.1
	10	0.3		3	2.6		22	5.2
	11	8.2		4	2.3		23	NC
	12	8.2		5	5.1		24	NC
	13	3.9		6	GND		25	GND
	14	3.4		7	0.5		26	NC
	15	0		8	0		27	GND
	16	2.8		9	0.6		28	2.3
	17	NC		10	5.2		29	5.2
	18	2.5		11	2.1		30	2.6
	19	3.5		12	0.3		31	4.2
							32	2.5

All voltages are in V

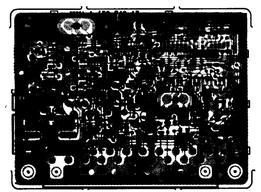
P BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q3301	5.3	9.1	4.7
Q3305	0.5	GND	1.2
Q3306	0.8	GND	1.4
Q3307	0.6	GND	1.3
Q3308	0	GND	2.8
Q3310	0	5.2	GND
Q3312	0	0	0.8
Q3313	0.8	0.4	GND

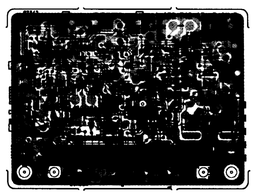
All voltages are in V

P [P in P]
(except KV-32S22) — P BOARD —

< COMPONENT SIDE>

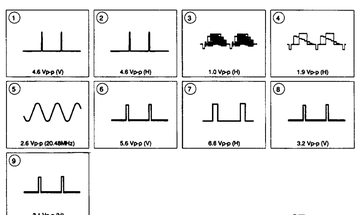


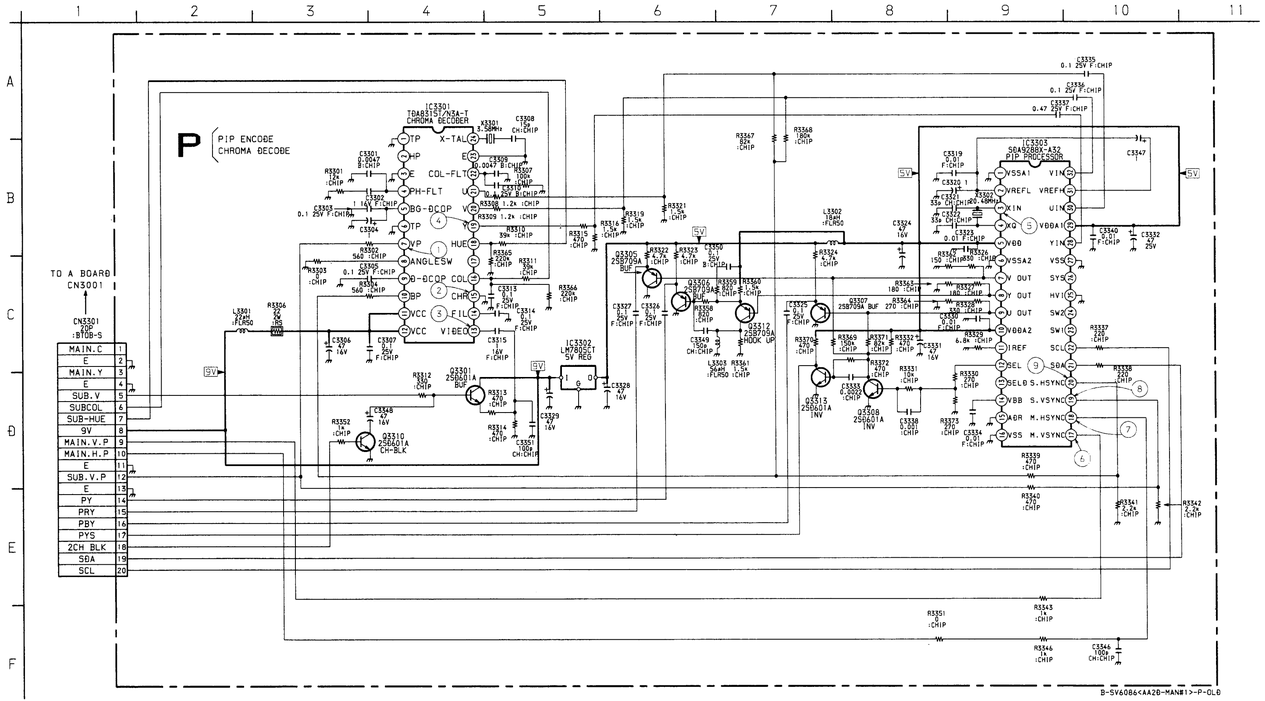
<CONDUCTOR SIDE>

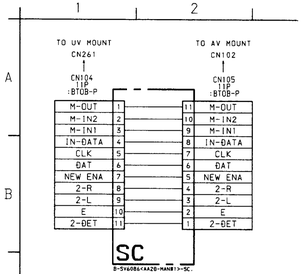


- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

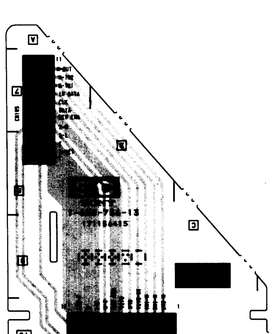
P BOARD WAVEFORMS







SC (KV-32S36 ONLY)
— SC BOARD —

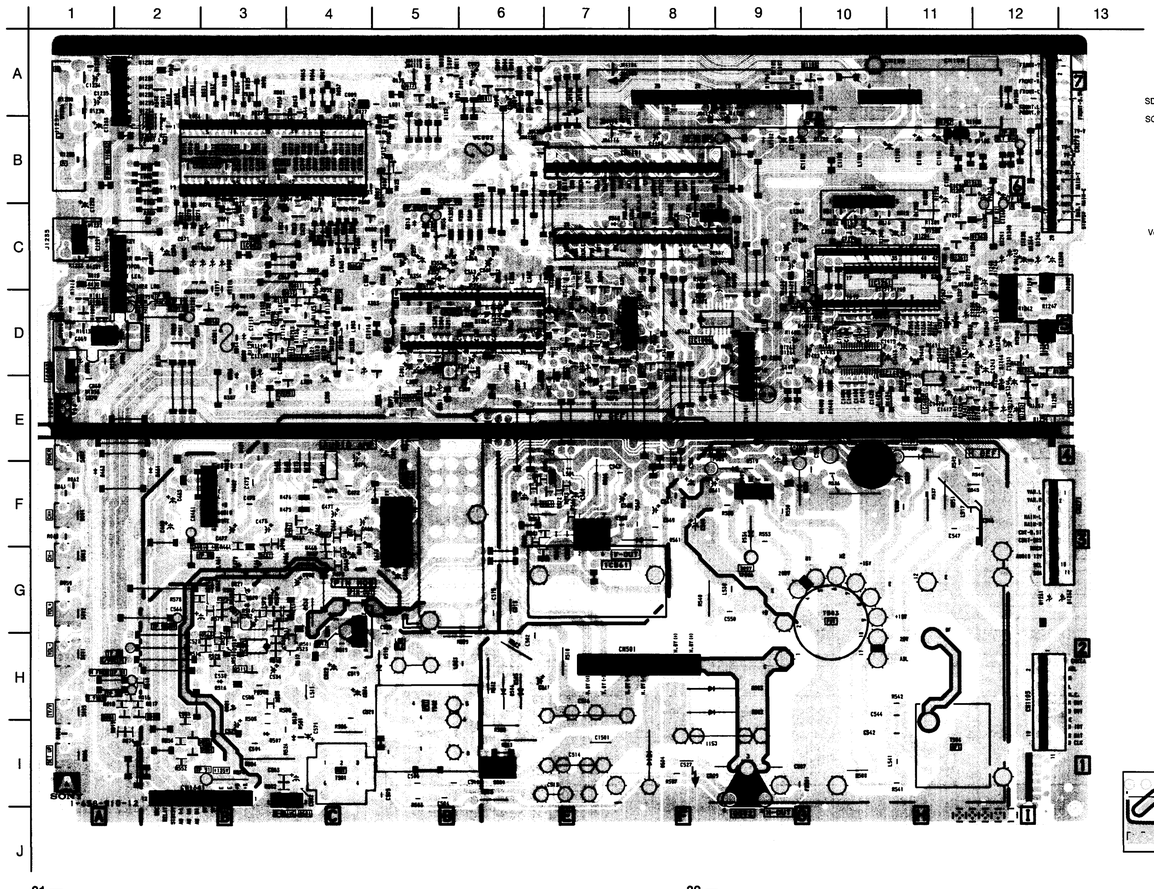


A [MICON, Y/C/J, TUNER, VOL-CTL, AUDIO-AMP, PIN-MOD, V.DEF, H.DEF, AV-SW]

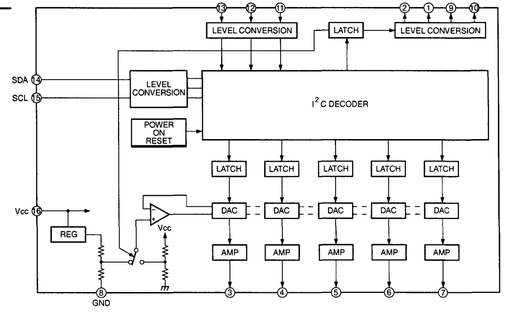
— A BOARD —

A BOARD LOCATOR LIST

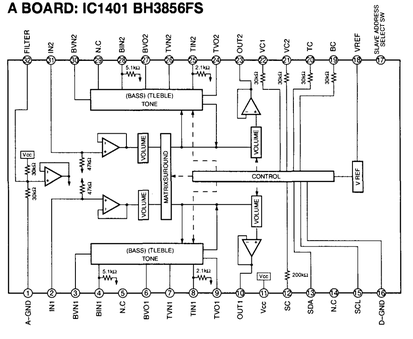
DIODE		IC003	D-1
D001	A-5	IC351	D-5
D002	D-3	IC461	F-5
D003	A-5	IC501	H-3
D004	C-2	IC561	G-7
D005	D-1	IC1001	D-8
D006	D-1	IC1401	D-10
D011	A-5	IC1402	E-11
D013	C-5	**TRANSISTOR**	
D014	D-3	Q001	A-5
D015	C-4	Q002	C-4
D353	D-7	Q003	H-2
D356	E-3	Q004	H-1
D360	E-7	Q010	D-4
D362	E-7	Q011	D-4
D388	C-7	Q012	D-4
D462	F-1	Q013	D-4
D501	H-3	Q014	D-3
D502	H-9	Q015	D-3
D503	H-9	Q016	D-3
D504	I-8	Q017	A-5
D505	H-6	Q301	C-7
D506	H-6	Q302	C-7
D507	I-3	Q303	C-7
D515	H-5	Q354	D-7
D516	H-3	Q356	C-4
D518	I-4	Q357	E-5
D519	F-9	Q358	D-8
D520	G-3	Q461	G-3
D521	G-3	Q462	F-3
D530	F-9	Q501	J-4
D531	E-11	Q502	J-9
D534	F-9	Q511	H-3
D561	F-8	Q512	H-4
D562	G-3	D551	I-2
D1102	B-10	D552	I-2
D1103	B-12	Q561	F-6
D1247	E-12	Q562	F-6
D1248	C-12	Q563	H-2
D1261	G-12	Q1102	A-11
D1262	G-12	Q1103	A-10
D1263	D-9	Q1231	E-12
D1264	E-9	Q1232	E-12
IC		Q1261	C-11
IC001	B-4	Q1262	C-11
IC002	C-3	Q1263	B-11



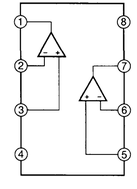
A BOARD: IC1001 CXA1315M



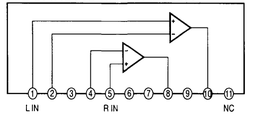
A BOARD: IC1401 BH3856FS



A BOARD: IC1402 NJM4558M



A BOARD: IC461 TDA2009A



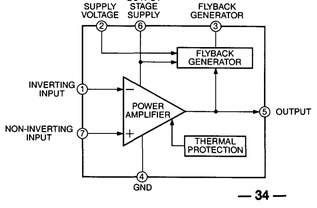
NOTE:
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

A BOARD (*) MARK LIST

	KV-32S22	KV-32S26/ 32TW26/ 34RS26C	KV-32S36		KV-32S22	KV-32S26/ 32TW26/ 34RS26C	KV-32S36
C068	0.01	0.01	#	R312	1K	1K	#
C360	#	JW(5)	JW(5)	R313	0	0	#
C361	#	JW(5)	JW(5)	R314	1K	1K	#
C362	#	JW(5)	JW(5)	R358	#	220	220
C375	0.1	#	#	R359	#	220	220
C1236	#	0.01	#	R360	#	220	220
C1237	#	0.047	#	R386	#	1K	1K
C1238	0.047	0.047	#	R1001	#	100	100
C1239	1	1	#	R1002	#	100	100
C1240	1	1	#	R1005	#	10K	10K
C1241	#	0.047	#	R1009	220	220	#
C1242	#	1	#	R1010	220	220	#
C1243	#	1	#	R1234	100K	100K	#
C1261	47 16V	47 16V	#	R1240	#	75	#
C1262	47 16V	47 16V	#	R1241	#	75	#
C1263	1	1	#	R1242	#	4.7K	#
C1264	1	1	#	R1243	100K	100K	#
C1265	0.1	0.1	#	R1244	75	75	#
C1266	47 16V	47 16V	#	R1245	470K	470K	#
C1267	0.047	0.047	#	R1246	4.7K	4.7K	#
C1268	1	1	#	R1247	470K	470K	#
C1269	1	1	#	R1248	4.7K	4.7K	#
C1270	0.01	0.01	#	R1249	#	75	#
CM305	1-467-554-21	1-467-554-21	#	R1250	#	470K	#
CN270	#	#	20P	R1251	#	4.7K	#
CN271	#	#	11P	R1252	#	470K	#
CN1001	#	#	9P	R1253	#	4.7K	#
CN1101	#	#	20P	R1254	470K	470K	#
CN3001	#	#	20P	R1255	1K	1K	0
D005	1SS133	1SS133	#	R1256	470K	470K	#
D006	LEDU-303	LEDU-303	#	R1257	1K	1K	#
D268	#	1SS133	1SS133	R1261	220	220	#
D1247	RD10ES-T1B	RD10ES-T1B	#	R1262	100	100	#
D1261	RD10ES-T1B	RD10ES-T1B	#	R1263	#	220	#
D1262	RD10ES-T1B	RD10ES-T1B	#	R1264	100	100	#
IC003	SBX1981-51	SBX1981-51	#	R1265	#	220	#
IC1001	#	CXA1315M	CXA1315M	R1266	100	100	#
IC1261	MM1311	MM1311	#	R1267	0	0	#
J1232	3P	3P	#	R1268	100	100	#
J1233	3P	3P	#	R1270	100	100	#
J1234	2P	2P	#	R1272	100	#	#
JR351	0	#	#	R1273	#	220	#
JR352	0	#	#	R1274	100	100	#
JR1264	0	#	#	R1277	220	220	#
JW650	#	#	17.5MM	R1278	220	220	#
JW112	#	#	10MM	R1280	100	100	#
JW182	#	7.5MM	7.5MM	R1282	100	100	#
Q1261	2SB709A	2SB709A	#	R1283	#	22	#
Q1262	2SB709A	2SB709A	#	R1284	100	100	#
Q1263	2SD601A	2SD601A	#	R1286	1K	1K	#
R006	#	#	220	R1287	1K	1K	#
R008	#	#	220	R1288	100	100	#
R012	#	220	220	R1290	560	560	#
R031	#	#	220	R1291	680	680	#
R040	#	#	220	R1292	4.7K	4.7K	#
R041	#	#	4.7K	R1293	4.7K	4.7K	#
R042	#	#	4.7K	R1297	#	10K	#
R043	#	#	1K	R1402	10K	10K	#
R045	#	#	220	R1404	10K	10K	#
R050	#	#	220	R1408	#	#	10K
R059	820	820	#	R1409	#	#	10K
R060	1K	1K	#	S001	TACTILE-SW	TACTILE-SW	#
R061	1.8K	1.8K	#	S002	TACTILE-SW	TACTILE-SW	#
R062	4.7K	4.7K	#	S003	TACTILE-SW	TACTILE-SW	#
R063	10K	10K	#	S004	TACTILE-SW	TACTILE-SW	#
R090	#	#	220	S005	TACTILE-SW	TACTILE-SW	#
R311	0	0	#	S006	TACTILE-SW	TACTILE-SW	#
				S007	TACTILE-SW	TACTILE-SW	#

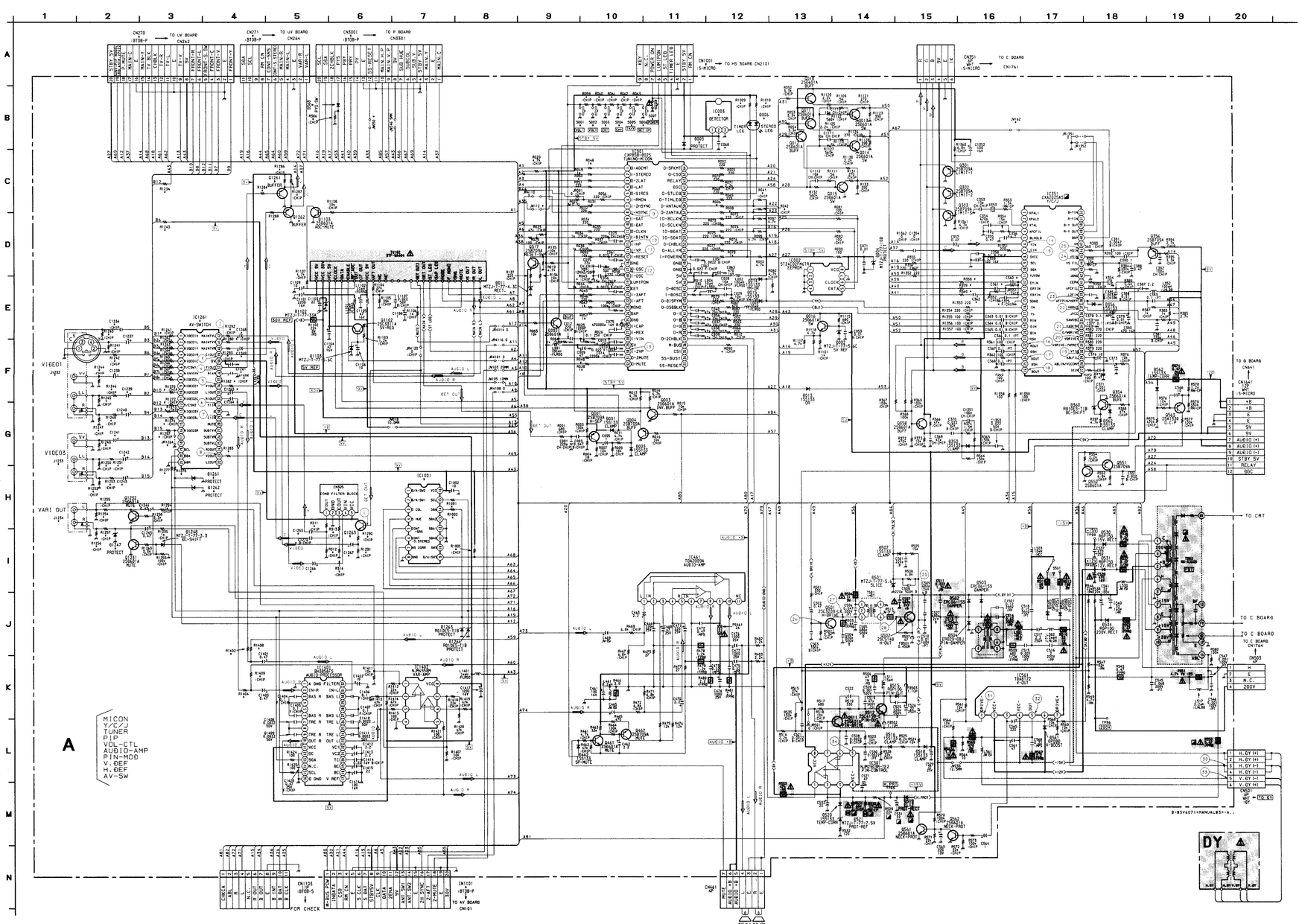
: Not Mounted

A BOARD: IC561 STV9379



Schematic diagrams

◀ P SC boards A board ▶



A BOARD IC VOLTAGE LIST

	pin	volt		pin	volt		pin	volt		pin	volt
IC	1	0		51	0		26	2.3		7	1.6
	2	0		52	0		27	4.7	IC1001	1	0.0
	3	0		53	4.9		28	1.7		2	0.0
	4	0		54	4.9		29	6.8		3	3.2
	5	0		55	4.9		30	0.7		4	2.8
	6	5.0		56	5.0		31	3.1		5	0.5
	7	0		57	5.0		32	3.2		6	0.6
	8	0		58	0		33	3.7		7	3.8
	9	0.8		59	3.7		34	4.5		8	GND
	10	0		60	0.5		35	4.8		9	0
	11	0		61	0		36	8.7		10	0
	12	5		62	4.8		37	3.4		11	GND
	13	4.2		63	0		38	3.6		12	GND
	14	1.3		64	4.6		39	4.1		13	GND
	15	5	IC002	1	GND		40	4.3		14	5
	16	GND		2	GND		41	2.5		15	5
	17	2.6		3	GND		42	GND		16	8.7
	18	*		4	GND		43	2.8	IC1261	1	5.1
	19	3.1		5	5.0		44	2.8		2	4.4
	20	5		6	5.0		45	4.1		3	5.1
	21	2		7	GND		46	3.3		4	4.4
	22	2		8	5.0		47	6.0		5	5
	23	0	IC003	1	5.2		48	0.4		6	4.5
	24	0		2	5.2		49	0		7	6.2
	25	GND		3	GND		50	0		8	4.4
	26	0	IC351	1	NC	IC461	1	1.5		9	5.1
	27	1.8		2	NC		2	3.5		10	4.4
	28	2.4		3	2.2		3	12.2		11	5.1
	29	5		4	5.9		4	3.5		12	0.3
	30	0.2		5	4.1		5	1.5		13	5.1
	31	0		6	4.6		6	0		14	4.4
	32	0		7	4.3		7	0		15	0
	33	0		8	5.2		8	0.3		16	4.4
	34	0		9	5.2		9	22.1		17	0
	35	0		10	5.2		10	0.3		18	0
	36	0		11	0.3		11	0		19	5.2
	37	0		12	6.6	IC501	1	3.4		20	5.2
	38	0		13	6.3		2	7.9		21	0
	39	0		14	6.3		3	8.3		22	4.4
	40	0		15	GND		4	-16.5		23	5.2
	41	0		16	0		5	2.3		24	4.4
	42	0		17	0		6	2.8		25	4.4
	43	0		18	5.2		7	-16.3		26	4.4
	44	3.0		19	5.2		8	12.6		27	6.5
	45	3.0		20	5.2	IC561	1	1.6		28	0.3
	46	5.0		21	4.0		2	12.6		29	5
	47	5.0		22	2.2		3	-14.5		30	GND
	48	GND		23	5.1		4	-16.6		31	5.8
	49	GND		24	1.8		5	0.0		32	4.4
	50	5.0		25	4.5		6	13.4		33	4.4

All voltages are in V
*: Cannot be measured

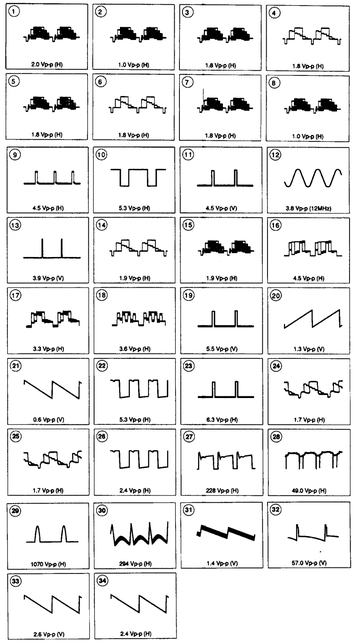
	pin	volt
IC1401	1	GND
	2	4.3
	3	4.3
	4	4.3
	5	0
	6	4.3
	7	4.3
	8	4.4
	9	4.4
	10	4.4
	11	8.7
	12	3.8
	13	4.9
	14	0
	15	5
	16	0
	17	4
	18	4
	19	2
	20	2
	21	0
	22	0
	23	4.3
	24	4.3
	25	4.3
	26	4.3
	27	4.3
	28	4.3
	29	0
	30	4.3
	31	4.3
	32	5.6
IC1402	1	4.2
	2	4.3
	3	4.3
	4	GND
	5	0
	6	4.3
	7	4.3
	8	8.7

A BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q001	5.2	0.9	5.0
Q002	4.8	5.0	4.1
Q003	-0.4	4.2	GND
Q004	0.8	GND	1.3
Q010	0	8.7	0
Q011	0	8.7	0
Q012	0	8.7	0
Q013	-0.2	0	GND
Q014	-0.2	0	GND
Q015	-0.2	0	GND
Q016	5.8	8.7	5.1
Q017	4.4	5.0	5.0
Q301	4.0	GND	2.2
Q302	4.0	GND	1.8
Q303	4.0	GND	2.0
Q354	0.2	GND	-0.5
Q356	4.9	GND	5.6
Q358	1.9	8.7	2.0
Q461	0.8	0	0
Q462	20.0	20.6	20.7
Q501	-0.7	105.6	GND
Q502	-0.27	130.8	0
Q511	-14.9	-13.0	-15.1
Q512	-16.2	-22	-15.9
Q551	4.2	0	4.8
Q552	0	4.2	0
Q561	0.6	0	0
Q562	20.1	20.7	20.8
Q563	134.3	0.4	134.7
Q1102	6.0	9.2	5.3
Q1103	0	2.5	GND
Q1231	0	0	GND
Q1232	0	0	GND
Q1281	4.4	GND	5.1
Q1282	3.7	GND	4.3
Q1283	4.6	9.2	3.9

All voltages are in V

A BOARD WAVEFORMS


① 2.0 Vp-p (H)
② 1.0 Vp-p (H)
③ 1.8 Vp-p (H)
④ 1.8 Vp-p (H)
⑤ 1.8 Vp-p (H)
⑥ 1.8 Vp-p (H)
⑦ 1.8 Vp-p (H)
⑧ 1.0 Vp-p (H)
⑨ 4.5 Vp-p (H)
⑩ 5.3 Vp-p (H)
⑪ 4.5 Vp-p (V)
⑫ 3.8 Vp-p (12MHz)
⑬ 3.9 Vp-p (V)
⑭ 1.9 Vp-p (H)
⑮ 1.9 Vp-p (H)
⑯ 4.5 Vp-p (H)
⑰ 3.3 Vp-p (H)
⑱ 3.6 Vp-p (H)
⑲ 5.5 Vp-p (V)
⑳ 1.3 Vp-p (V)
㉑ 0.6 Vp-p (V)
㉒ 5.3 Vp-p (H)
㉓ 6.3 Vp-p (H)
㉔ 1.7 Vp-p (H)
㉕ 1.7 Vp-p (H)
㉖ 2.4 Vp-p (H)
㉗ 228 Vp-p (H)
㉘ 49.0 Vp-p (H)
㉙ 1070 Vp-p (H)
㉚ 294 Vp-p (H)
㉛ 1.4 Vp-p (V)
㉜ 57.0 Vp-p (V)
㉝ 2.6 Vp-p (V)
㉞ 2.4 Vp-p (H)

UV BOARD IC VOLTAGE LIST

	pin	voltage
IC261	1	4.8
	2	4.2
	3	4.8
	4	4.2
	5	4.8
	6	4.5
	7	4.8
	8	4.2
	9	4.8
	10	4.2
	11	4.9
	12	5.8
	13	4.8
	14	4.2
	15	0
	16	4.2
	17	5.8
	18	NC
	19	5.0
	20	4.9
	21	GND
	22	NC
	23	6.7
	24	NC
	25	4.2
	26	4.2
	27	6.1
	28	NC
	29	4.8
	30	GND
	31	5.6
	32	4.1
	33	4.1
	34	5.0
	35	NC
	36	4.2
	37	4.3
	38	8.7
	39	3.4
	40	4.2
	41	5.2
	42	4.2

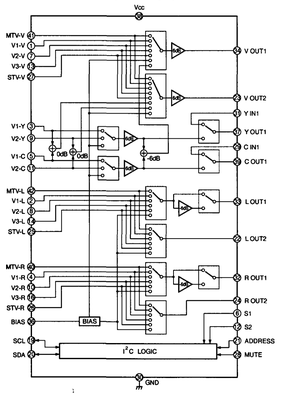
All voltages are in V

UV BOARD TRANSISTOR VOLTAGE LIST

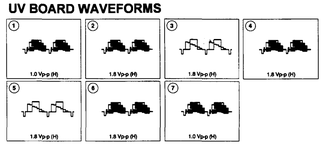
	B	C	E
Q243	0.2	GND	0.9
Q261	4.6	8.7	4.0
Q262	4.9	5.7	4.2
Q263	3.4	GND	4.1
Q265	4.3	GND	4.9

All voltages are in V

UV BOARD IC261 MM1313AD

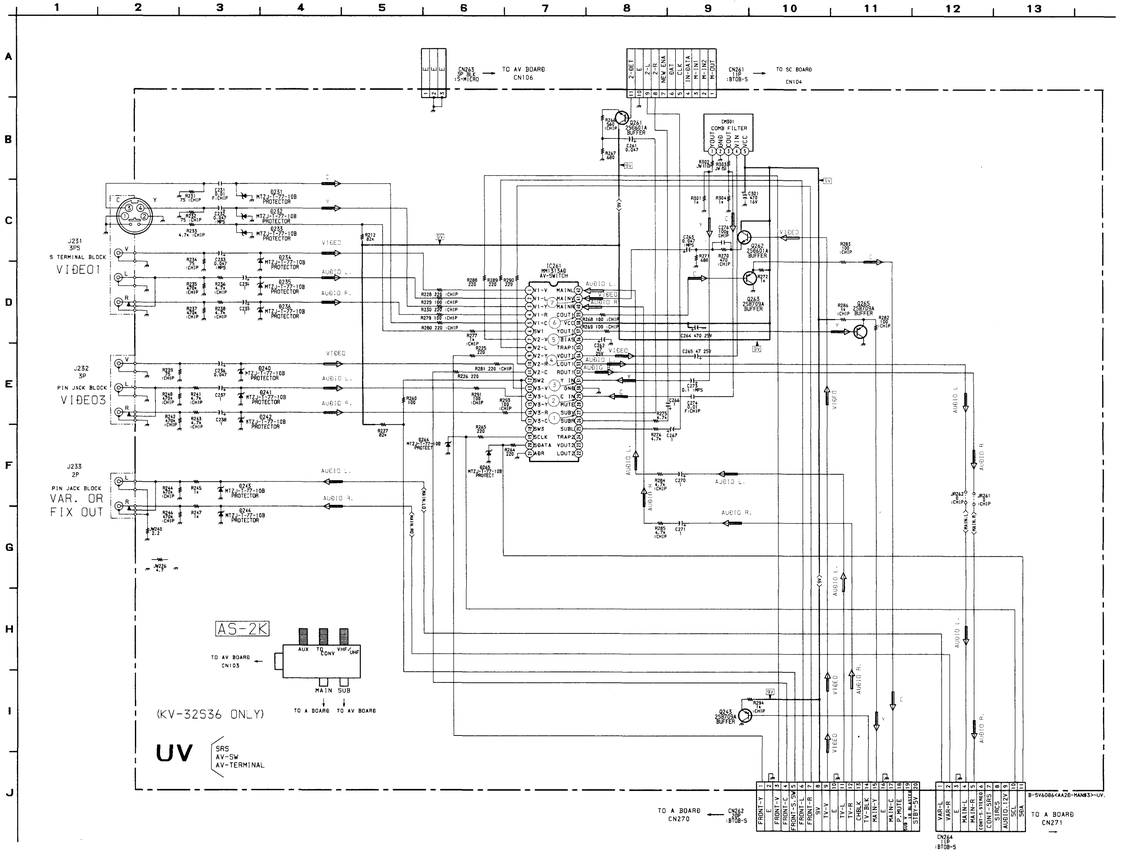


UV BOARD WAVEFORMS



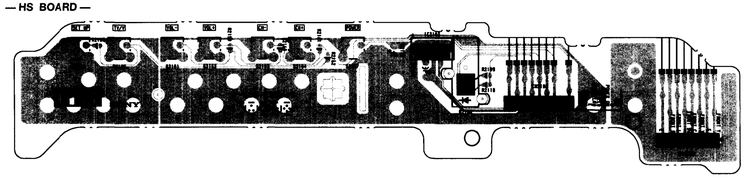
Schematic diagrams

← A board UV HS boards →


1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G H I J
TO AV BOARD CN106
TO SC BOARD CN104
J231 SPS S TERMINAL BLOCK VIDEO1
J232 SP PIN JACK BLOCK VIDEO3
J233 2P PIN JACK BLOCK VAR. OR FIX OUT
AS-2K
TO AV BOARD CN105
AUX TO CONV VHF/UHF
MAIN SUB
TO A BOARD
TO AV BOARD
(KV-32S36 ONLY)
UV
SRS
AV-SW
AV-TERMINAL
TO A BOARD CN270
TO A BOARD CN271

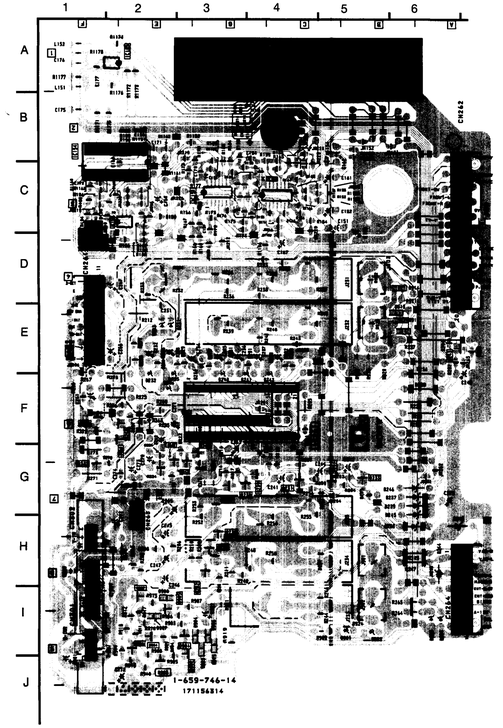
HS [MICON-CTL] (KV-32S36 ONLY)

— HS BOARD —



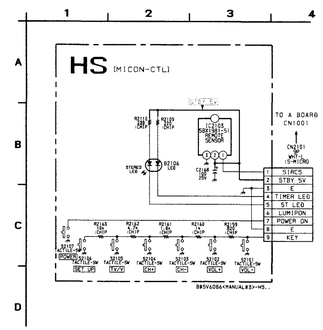
UV [SRS, AV-SW, AV-TERMINAL] (KV-32S36 ONLY)

— UV BOARD —



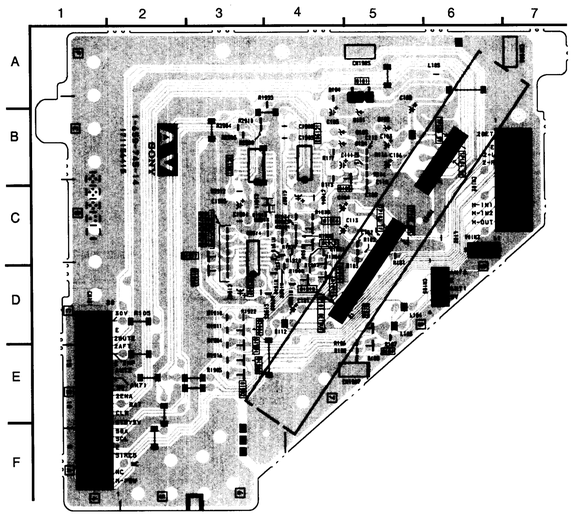
UV BOARD LOCATOR LIST

DIODE	
D231	E-2
D232	E-2
D233	E-2
D234	F-2
D235	E-2
D236	E-3
D240	E-3
D241	E-3
D242	E-4
D243	G-8
D244	H-6
D246	G-6
D264	I-8
D265	I-8
IC	
IC261	F-4
TRANSISTOR	
Q243	E-8
Q261	F-1
Q262	G-1
Q263	F-2
Q265	F-2



AV [2ND-TUNER, S-LINK] (KV-32S36 ONLY)

— AV BOARD —



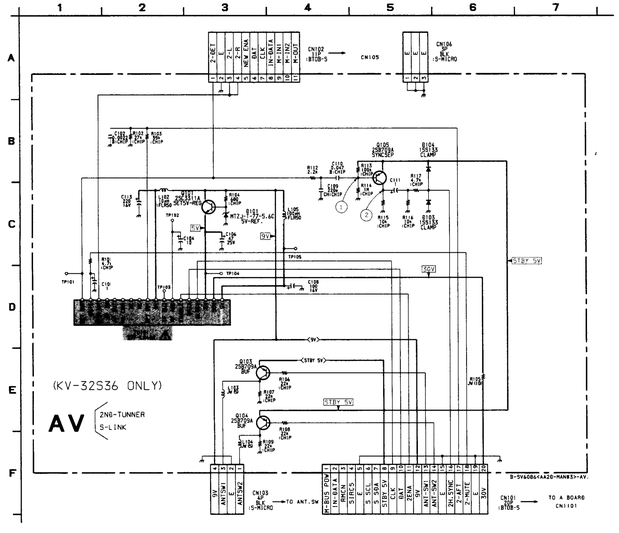
AV BOARD

DIODE	
D101	B-5
D103	B-4
D104	B-4
TRANSISTOR	
Q101	A-5
Q103	D-5
Q104	D-5
Q105	B-4

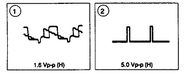
AV BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q101	5.8	8.7	5.1
Q103	4.3	4.9	5.0
Q104	5.0	0	5.0
Q105	5.0	0.8	5.0

All voltages are in V

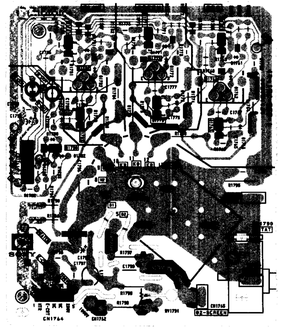


AV BOARD WAVEFORMS



C [R,G,B DRIVE, CRT DRIVE]

— C BOARD —

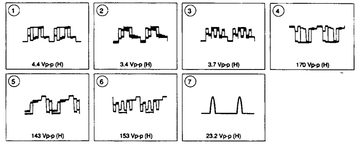


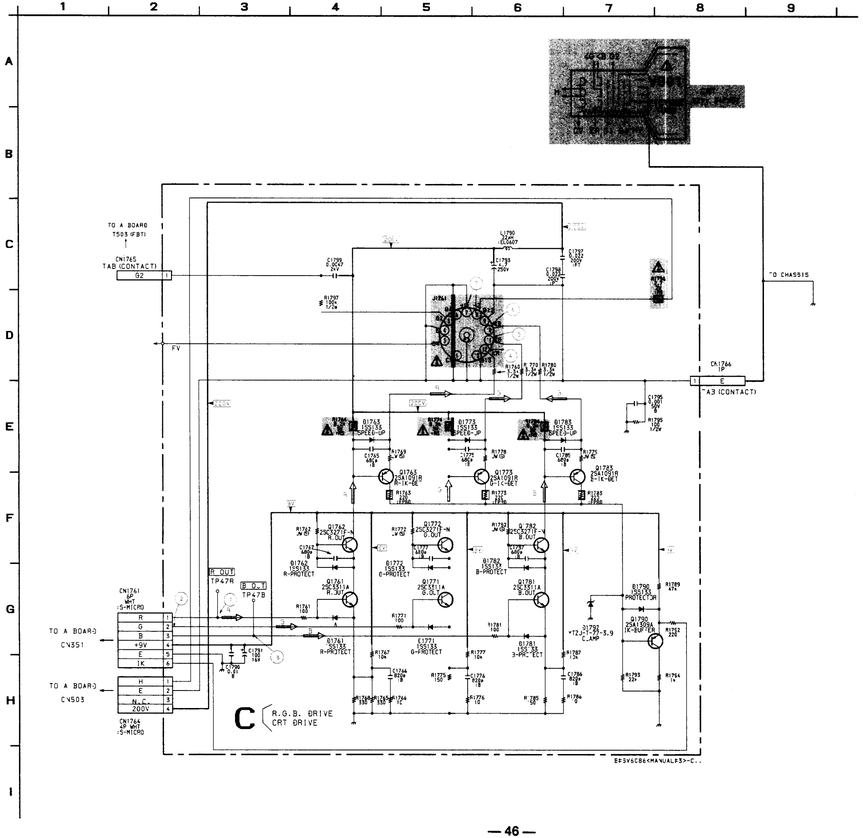
C BOARD TRANSISTOR VOLTAGE LIST

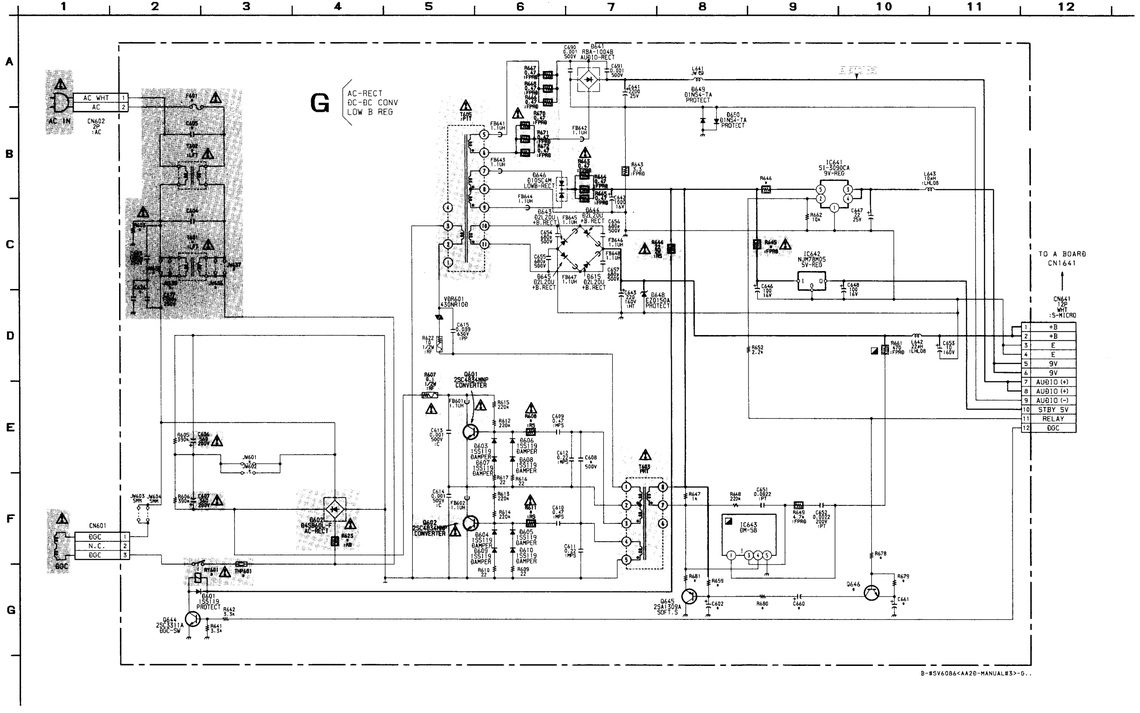
	B	C	E
Q1761	2.2	8.2	1.7
Q1762	8.7	134.1	8.2
Q1763	134.1	2.3	132.0
Q1771	1.8	8.2	1.3
Q1772	8.7	146.4	8.2
Q1773	146.4	2.3	144.1
Q1781	2.1	8.2	1.6
Q1782	8.7	133.7	8.2
Q1783	133.7	2.3	131.5
Q1790	2.2	0.2	2.5

All voltages are in V

C BOARD WAVEFORMS





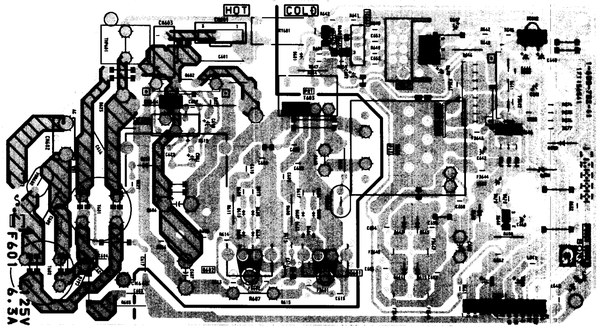


Schematic diagrams

← C AV G board →

G [AC-RECT, DC-DC CONV., LOW B REG]

— G BOARD —



G BOARD IC VOLTAGE LIST

	pin	volt
IC641	1	GND
	2	3.9
	3	8.9
	4	8.9
	5	10.5
IC642	IN	9.5
	OUT	5.0
	1	135
	2	NC
IC643	3	2.5
	4	7.8
	5	GND

All voltages are in V

G BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q601	145.2	294.0	147.5
Q602	-1.7	147.5	GND
Q644	-0.3	10.5	GND
Q645	7.0	GND	7.6
Q646	4.8	7.4	4.8

All voltages are in V

G BOARD (*) MARK LIST

	KV-32S22/ 32S26/32TW26	KV-34RS26C	KV-32S36
C602	#	4.7	#
C604	#	#	22/125V
C605	22/125V	22/300V	22/125V
C608	680p/500V	.001/500V	680p/500V
C626	JW(7.5)	100p/300V	JW(7.5)
C660	JW(5)	#	JW(5)
C661	4.7	#	4.7
F601	6.3A/125V	6.3A/250V	6.3A/125V
JW601	5MM	#	5MM
JW602	5MM	#	5MM
Q646	2SC3311A	#	2SC3311A
R603	2.2M 1/2W	8.2M 1W	2.2M 1/2W
R608	1.8 2W	1 2W	1.8 2W
R611	1.8 2W	1 2W	1.8 2W
R623	1 20W	3.9 20W	1 20W
R645	JW(5)	10 1/2W	JW(5)
R646	1 2W	JW(7.5)	JW(7.5)
R659	#	10K	#
R678	22K	#	22K
R679	22K	#	22K
R680	10K	#	10K
R681	150	JW(5)	150
RY601	1-755-018-11	1-755-018-11	1-755-146-11
T601	1-426-717-11	#	1-426-717-11
T602	1-424-220-21	1-426-717-11	1-424-220-21
TH601	1-809-539-21	1-809-827-11	1-809-539-21

#: Not Mounted

4-4. SEMICONDUCTORS

BH3856FS-E2
MARKING SIDE VIEW
32PIN SIP

CD4052BCN
TOP VIEW
16PIN DIP

CXA1315M
TOP VIEW
16PIN SOP

CXA-2019Q-T4
40PIN

CXA2025AS
TOP VIEW
48PIN DIP

CXP85640-002S
TOP VIEW
64PIN DIP

DM-58
MARKING SIDE VIEW
4PIN SIP

IS474

LM290IM
TOP VIEW
14PIN SOP

M5216P
TOP VIEW
8PIN DIP

MM1313AD
TOP VIEW
42PIN DIP

NJM2129M-TE2
MARKING SIDE VIEW
14PIN SIP

NJM2902M
TOP VIEW
14PIN DIP

NJM2903M
NJM2904M
ST24CO2FM6TR
UPC4558G2
TOP VIEW
8PIN SOP

NJM78M05FA
TA7805S
C087

SBX1790-51

SDA9288X
TOP VIEW
C32S

IRF614
C226
G D S

STV9379
C241

TDA2009A
C226

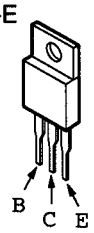
FMGAT148
2SC5418
T074

2SA1037AK-T146-R
2SA1162-G
2SA1130-06
2SD601A-Q
T095

2SA1091-0
T012

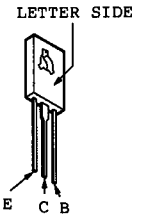
2SA1175-HFE
2SC2785-HFE
LETTER SIDE
T099

2SA1837
2SC4159-E

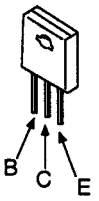


T046

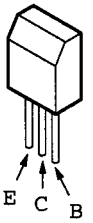
2SC2611



2SC4834M

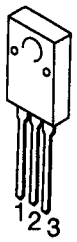


2SC3209LK



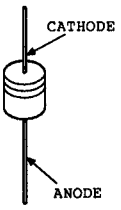
T075

D10SC4M



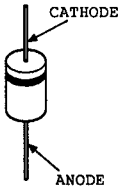
D216

D1NS4
MTZJ-3.3
MTZJ-33A
MTZJ-6.2B
MTZJ-7.5B
RD10ESB2
RD39ES-B2
RD5.6ESB2
1SS19-25



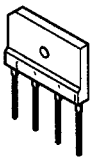
D026

D2L2OU
EL1Z
EZ0150AV1
GP08D
MTZJ-T-77-3.9
RGP02-17EL-6433



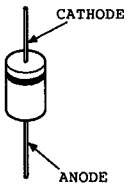
D032

D4SB60L
RBA-1004B



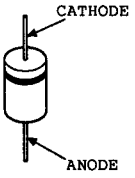
D029

ERC06-15S
ISSI33T-77



D030

ERD29-08J



D095

SECTION 5
EXPLODED VIEWS

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

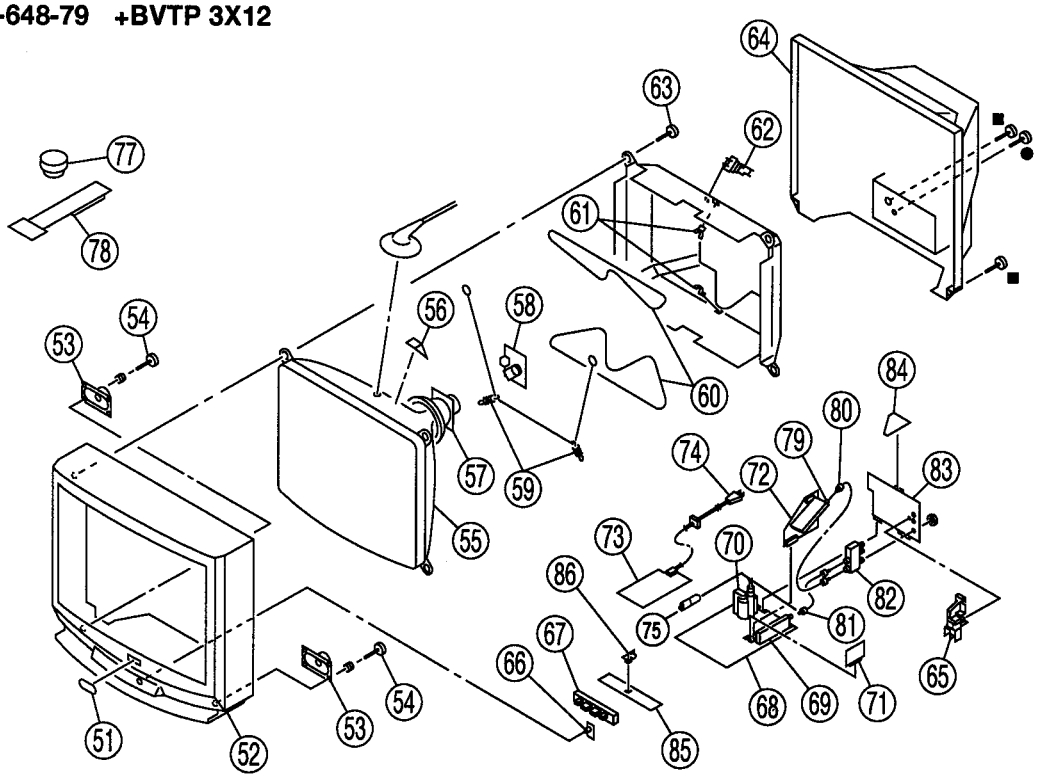
Note:

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

5-1. CHASSIS (KV-32S22/32S26/32S36/34RS26C)

■ **7-685-663-79 SCREW +BVTP 4X16**

● **7-685-648-79 +BVTP 3X12**



REF.NO.		PART NO.	DESCRIPTION	REMARK
51		4-046-160-01	EMBLEM (NO.9), SONY	
52		4-059-449-01	BEZNET (KV-32S36)	
52		4-059-448-01	BEZNET (KV-32S26/34RS26C)	
52		4-059-287-01	BEZNET (KV-32S22)	
53		1-504-531-11	SPEAKER (13.1 X 6.2CM)	
54		4-388-477-01	SCREW (3X16) TAPPING, +BV	
55	⚠	8-733-745-05	CRT34FXD2 (M80JYV51X) (KV-32S22/32S26/32S36)	
55	⚠	8-733-746-05	CRT34FXD2 (M80JYV51X) (KV-34RS26C)	
56		4-053-005-01	SPACER, DY	
57	⚠	8-451-482-21	DEFLECTION YOKE Y34FXA2-X	
58	*	A-1331-549-A	C BOARD, COMPLETE	
59		4-036-329-01	SPRING (B), TENSION	
60	⚠	1-402-952-11	COIL, DEMAGNETIC (KV-32S22/32S26/32S36)	
60	⚠	1-411-474-11	COIL, DEMAGNETIC (KV-34RS26C)	
61		4-371-629-01	STOPPER WIRE	
62	*	4-033-681-01	HOLDER, LEAD	
63		4-041-268-01	SCREW (7) TAPPING	
64		4-054-518-01	COVER, REAR (KV-32S36)	
64		4-052-600-01	COVER, REAR (KV-32S22/32S26/34RS26C)	
65	*	4-052-905-01	BRACKET, V5/6 (KV-32S36)	
66		4-052-461-01	GUIDE, LED	
67		4-052-460-01	BUTTON, MULTI	
68	*	A-1298-090-A	A BOARD, COMPLETE (KV-32S22)	

REF.NO.		PART NO.	DESCRIPTION	REMARK
68	*	A-1298-097-A	A BOARD, COMPLETE (KV-32S26/34RS26C)	
68	*	A-1298-098-A	A BOARD, COMPLETE (KV-32S36)	
69	⚠	8-598-340-00	TUNER BTF-WA404	
70	⚠	1-453-207-11	TRANSFORMER ASSY, FLYBACK (NX-2609//X4C)	
71	*	A-1195-103-A	P BOARD, COMPLETE (KV-32S26/32S36/34RS26C)	
72	*	A-1297-905-A	AV BOARD, COMPLETE (KV-32S36)	
73	*	A-1316-261-A	G BOARD, COMPLETE (KV-32S36)	
73	*	A-1316-249-A	G BOARD, COMPLETE (KV-32S22/32S26)	
73	*	A-1316-252-A	G BOARD, COMPLETE (KV-34RS26C)	
74	⚠	1-751-059-11	CORD POWER (WITH CONNECTOR) (KV-32S22/32S26/32S36)	
74	⚠	1-769-746-41	CORD POWER (WITH CONNECTOR) (KV-34RS26C)	
75		1-766-374-11	PLUG, F-PIN	
77		1-452-885-11	MAGNET LANDING	
78		4-051-737-21	PIECE A (100), CONV. CORRECT	
79	⚠	8-598-339-00	TUNER BTF-LA402 (KV-32S36)	
80	*	1-557-056-31	CABLE, P-P (KV-32S36)	
81	*	1-556-945-21	CABLE, P-P (KV-32S36)	
82		8-598-414-00	SWITCH, ANTENNA AS-2F (KV-32S36)	
83	*	A-1394-850-A	UV BOARD, COMPLETE (KV-32S36)	
84	*	A-1390-585-A	SC BOARD, COMPLETE (KV-32S36)	
85	*	A-1375-163-A	HS BOARD (KV-32S36)	
86	*	3-696-606-02	HINGE, VI (KV-32S36)	

Note:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

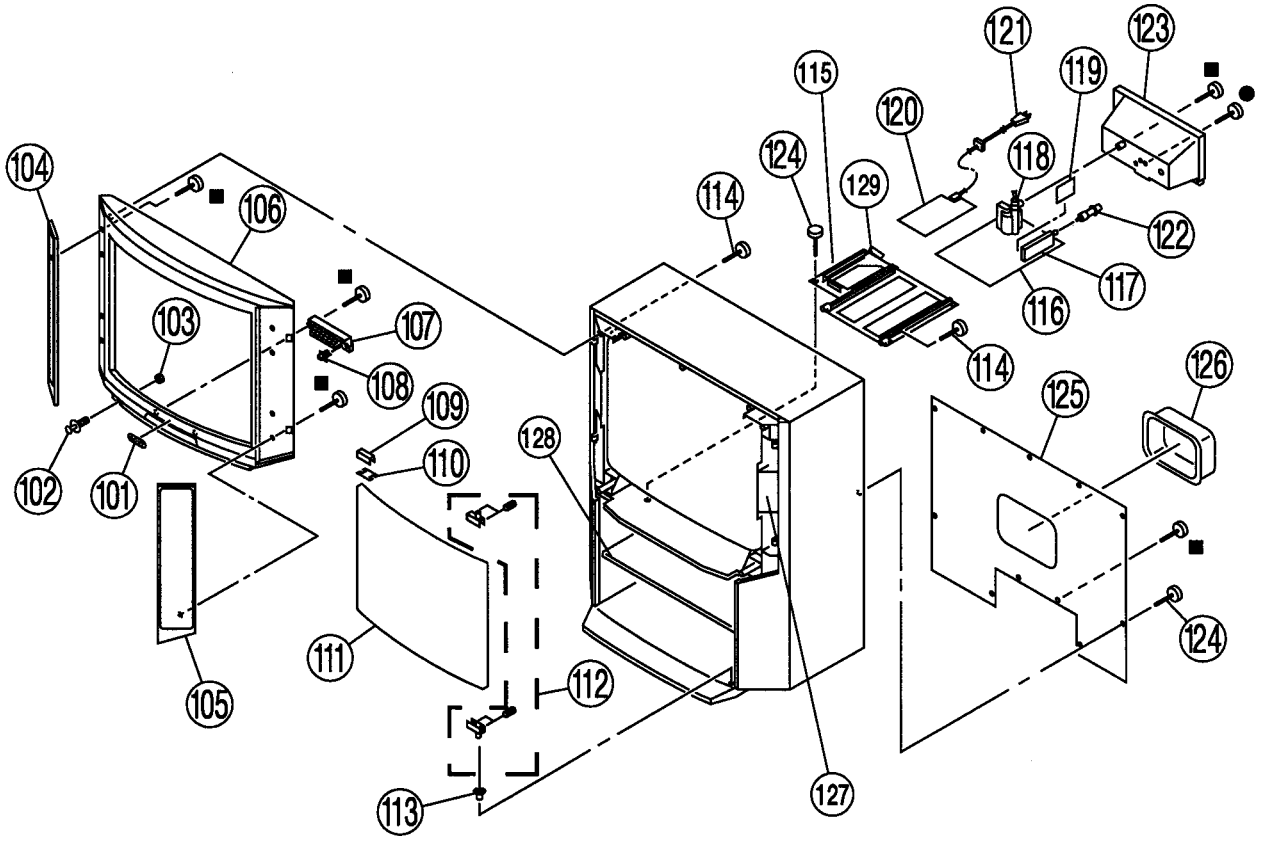
Note:

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

5-2. CHASSIS (KV-32TW26)

● 7-685-648-79 +BVTP 3X12

■ 7-685-663-79 SCREW +BVTP 4X16



REF.NO.	PART NO.	DESCRIPTION	REMARK
101	4-046-160-01	EMBLEM (NO.9), SONY	
102	4-032-338-11	MAGNET, PUSH	
103	4-046-172-01	NUT, HEXAGON HEAD	
104	X-4033-647-1	GRILL ASSY (LEFT), SPEAKER	
105	X-4033-648-1	GRILL ASSY (RIGHT),SPEAKER	
106	4-053-969-01	BEZEL	
107	4-053-966-01	BUTTON, MULTI	
108	4-053-967-01	GUIDE, LED	
109	2-359-505-01	RETAINER, MAGNET	
110	2-352-981-01	SPACER	
111	X-4033-646-1	DOOR ASSY, GLASS	
112	4-049-536-01	HINGE SET	
113	2-112-350-01	BEARING	
114	4-319-520-11	SCREW, SPECIAL (+PW4X30)	
115 *	4-053-968-01	BRACKET, CHASSIS	

REF.NO.	PART NO.	DESCRIPTION	REMARK
116 *	A-1298-097-A	A BOARD, COMPLETE	
117 ⚠	8-598-340-00	TUNER BTF-WA405	
118 ⚠	1-453-207-11	TRANSFORMER ASSY, FLYBACK NX-2609//X4C	
119 *	A-1195-103-A	P BOARD, COMPLETE	
120 *	A-1316-249-A	G BOARD, COMPLETE	
121 ⚠	1-751-057-11	CORD, POWER (WITH CONNECTOR) 10A/125V	
122	1-766-374-11	PLUG, F-PIN	
123	4-053-964-01	COVER, REAR	
124	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD	
125 *	4-053-963-01	BOARD, REAR	
126 *	4-032-338-11	COVER, NECK	
127 *	4-054-783-01	BRACKET, CABINET	
128	4-053-959-01	TRAY	
129 *	4-054-782-01	HOLDER, PCB	

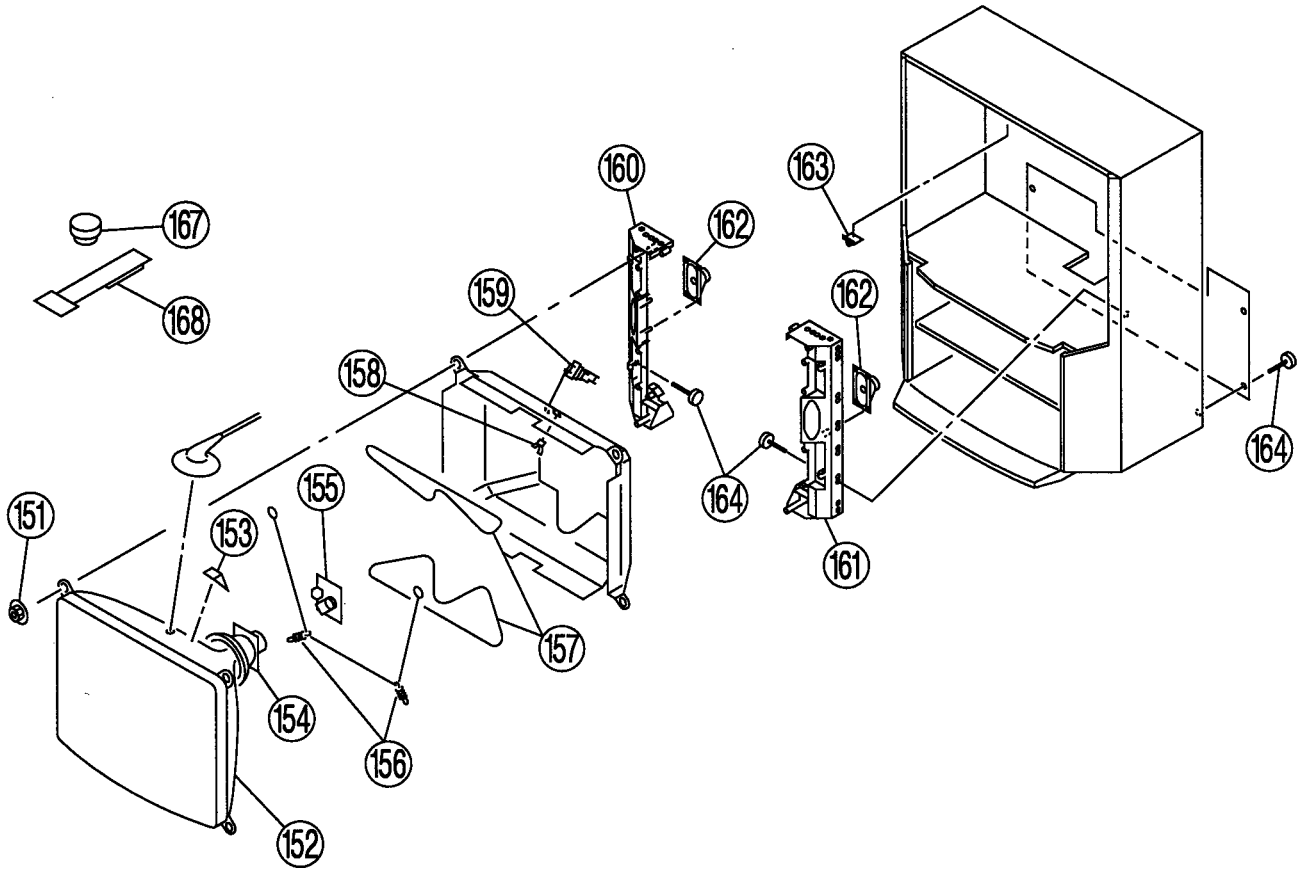
Note:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

5-3. PICTURE TUBE (KV-32TW26)



REF.NO.	PART NO.	DESCRIPTION	REMARK
151	4-387-204-01	NUT, SPECIAL, PICTURE TUBE	
152 ⚠	8-733-745-05	CRT34FXD2 (M80JYV51X)	
153	4-053-005-01	SPACER, DY	
154 ⚠	8-451-482-11	DEFLECTION YOKE Y34FXA2-X	
155 *	A-1331-549-A	C BOARD, COMPLETE	
156	4-036-329-01	SPRING (B), TENSION	
157 ⚠	1-402-952-11	COIL, DEMAGNETIZATION	
158 *	4-371-629-01	STOPPER, WIRE	
159	4-033-681-01	HOLDER, LEAD	
160	X-4033-644-1	FRAME ASSY(LEFT), FRONT	

REF.NO.	PART NO.	DESCRIPTION	REMARK
161	X-4033-645-1	FRAME ASSY(RIGHT), FRONT	
162	1-504-531-11	SPEAKER (13.1X6.2CM)	
163 *	4-053-955-01	BRACKET, BEZEL	
164	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD	
167	1-452-885-11	MAGNET LANDING	
168	4-051-737-21	PIECE A (100), CONV. CORRECT	

P

SECTION 6
ELECTRICAL PARTS LIST

Note:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

CAPACITORS
- MF : µF

INDUCTORS
UH : µH

When indicating parts by reference number, please include the board name.

P

* **A-1195-103-A P BOARD, COMPLETE (KV-32S26/32TW26/32S36/34RS26C)**

CAPACITOR

REF.NO.	PART NO.	DESCRIPTION			
C3301	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C3302	1-164-346-11	CERAMIC CHIP	1MF		16V
C3303	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3304	1-126-960-11	ELECT	1MF	20%	50V
C3305	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3306	1-126-967-11	ELECT	47MF	20%	16V
C3307	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3308	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C3309	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C3310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3313	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3314	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3315	1-164-346-11	CERAMIC CHIP	1MF		16V
C3319	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3320	1-126-960-11	ELECT	1MF	20%	50V
C3321	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3322	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3323	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3324	1-126-967-11	ELECT	47MF	20%	16V
C3325	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3326	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3327	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3328	1-126-967-11	ELECT	47MF	20%	16V
C3329	1-126-967-11	ELECT	47MF	20%	16V
C3330	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3331	1-126-967-11	ELECT	47MF	20%	16V
C3332	1-104-664-11	ELECT	47MF	20%	25V
C3333	1-164-695-11	CERAMIC CHIP	0.0022MF	5%	50V
C3334	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3335	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3336	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3337	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C3338	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C3340	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3346	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3347	1-126-960-11	ELECT	1MF	20%	50V
C3348	1-126-967-11	ELECT	47MF	20%	16V
C3349	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C3350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

CONNECTOR

CN3301*	1-764-816-11	CONNECTOR, BOARD TO BOARD 20P	

IC

IC3301	8-759-366-24	IC TDA8315T/N3A-T	
IC3302	8-759-231-53	IC TA7805S	
IC3303	8-759-438-61	IC SDA9288X-A141	

COIL

L3301	1-408-413-00	INDUCTOR	22UH
L3302	1-410-473-11	INDUCTOR	18UH
L3303	1-408-418-00	INDUCTOR	56UH

TRANSISTOR

Q3301	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3305	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3306	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3307	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3308	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3310	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3312	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3313	8-729-422-27	TRANSISTOR 2SD601A-Q	

RESISTOR

R3301	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R3302	1-216-043-91	METAL GLAZE	560	5%	1/10W
R3303	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R3304	1-216-043-91	METAL GLAZE	560	5%	1/10W
R3306	1-215-882-00	METAL OXIDE	22	5%	2W F
R3307	1-216-097-91	METAL GLAZE	100K	5%	1/10W

P AV

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3308	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R3309	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R3310	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R3311	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R3312	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3313	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3314	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3315	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3316	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3319	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3321	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3322	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3323	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3324	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3326	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3327	1-216-031-00	METAL GLAZE	180	5%	1/10W
R3328	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3329	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R3330	1-216-035-00	METAL GLAZE	270	5%	1/10W
R3331	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R3332	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3337	1-216-033-00	METAL GLAZE	220	5%	1/10W
R3338	1-216-033-00	METAL GLAZE	220	5%	1/10W
R3339	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3340	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3341	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R3342	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R3343	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3346	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3351	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R3352	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3358	1-216-047-91	METAL GLAZE	820	5%	1/10W
R3359	1-216-047-91	METAL GLAZE	820	5%	1/10W
R3360	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3361	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3362	1-216-029-00	METAL GLAZE	150	5%	1/10W
R3363	1-216-031-00	METAL GLAZE	180	5%	1/10W
R3364	1-216-035-00	METAL GLAZE	270	5%	1/10W
R3365	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R3366	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R3367	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R3368	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R3369	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R3370	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3371	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R3372	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3373	1-216-035-00	METAL GLAZE	270	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
		CRYSTAL	
X3301	1-567-505-11	OSCILLATOR, CRYSTAL	
X3302	1-760-095-21	VIBRATOR, CRYSTAL	

AV

* A-1297-905-A AV BOARD, COMPLETE (KV-32S36)

CAPACITOR

C101	1-126-960-11	ELECT	1MF	20%	50V
C102	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C104	1-126-964-11	ELECT	10MF	20%	50V
C106	1-104-664-11	ELECT	47MF	20%	25V
C108	1-126-933-11	ELECT	100MF	20%	16V
C109	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C110	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C111	1-126-960-11	ELECT	1MF	20%	50V
C113	1-126-934-11	ELECT	220MF	20%	16V

CONNECTOR

CN101	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P
CN102	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P
CN103 *	1-564-507-11	PLUG, CONNECTOR 4P
CN106 *	1-564-506-11	PLUG, CONNECTOR 3P

DIODE

D101	8-719-109-89	DIODE RD5.6ESB2
D103	8-719-991-33	DIODE 1SS133T-77
D104	8-719-991-33	DIODE 1SS133T-77

COIL

L102	1-410-470-11	INDUCTOR	10UH
L105	1-408-421-00	INDUCTOR	100UH

TRANSISTOR

Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q103	8-729-216-22	TRANSISTOR 2SA1162-G
Q104	8-729-216-22	TRANSISTOR 2SA1162-G
Q105	8-729-216-22	TRANSISTOR 2SA1162-G

RESISTOR

R101	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R102	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R103	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R104	1-216-045-00	METAL GLAZE	680	5%	1/10W
R106	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R107	1-216-081-00	METAL GLAZE	22K	5%	1/10W

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies par un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

AV A

REF.NO.	PART NO.	DESCRIPTION			REMARK
R108	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R109	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R112	1-249-421-11	CARBON	2.2K	5%	1/4W
R113	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R114	1-216-121-91	METAL GLAZE	1M	5%	1/10W
R115	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R116	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R117	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W

TUNER

TU101	8-598-339-00	TUNER, FSS BTF-LA402	

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***A-1298-090-A A BOARD, COMPLETE (KV-32S22)**
***A-1298-097-A A BOARD, COMPLETE (KV-32S26/32TW26/34RS26C)**
***A-1298-098-A A BOARD, COMPLETE (KV-32S36)**

*	4-051-927-01	CASE, SHIELD	
	4-382-854-11	SCREW (M3X10), P, SW (+)	

CAPACITOR

C001	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C003	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C005	1-126-960-11	ELECT	1MF	20%	50V
C009	1-126-967-11	ELECT	47MF	20%	50V
C010	1-163-033-91	CERAMIC CHIP	0.022MF		50V
C012	1-216-033-00	METAL GLAZE	220	5%	1/10W
C013	1-216-121-91	METAL GLAZE	1M	5%	1/10W
C014	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C023	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C028	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C029	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C035	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C036	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C037	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C038	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C039	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C040	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C051	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C053	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C056	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C061	1-163-033-91	CERAMIC CHIP	0.022MF		50V
C062	1-163-033-91	CERAMIC CHIP	0.022MF		50V
C063	1-126-935-11	ELECT	470MF	20%	16V
C068	1-164-096-11	CERAMIC	.01MF		50V
			(KV-32S22/32S26/32TW26/34RS26C)		
C071	1-164-096-11	CERAMIC	0.01MF		50V
C072	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C075	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C353	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C354	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C355	1-126-959-11	ELECT	0.47MF	20%	50V
C356	1-126-963-11	ELECT	4.7MF	20%	50V
C357	1-126-959-11	ELECT	0.47MF	20%	50V
C358	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C359	1-126-933-11	ELECT	100MF	20%	16V
C363	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C364	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C365	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C366	1-137-399-11	FILM	0.1MF	5%	50V
C367	1-137-399-11	FILM	0.1MF	5%	50V
C368	1-137-399-11	FILM	0.1MF	5%	50V
C369	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C370	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C371	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C372	1-126-959-11	ELECT	0.47MF	20%	50V
C373	1-126-960-11	ELECT	1MF	20%	50V
C375	1-165-319-11	CERAMIC CHIP	0.1MF		50V
					(KV-32S22)
C376	1-126-964-11	ELECT	10MF	20%	50V
C377	1-137-399-11	FILM	0.1MF	5%	50V
C378	1-136-244-11	FILM	0.1MF	5%	50V
C379	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C380	1-126-935-11	ELECT	470MF	20%	16V
C381	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C383	1-137-399-11	FILM	0.1MF	5%	50V
C385	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C386	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C387	1-126-961-11	ELECT	2.2MF	20%	50V
C388	1-126-959-11	ELECT	0.47MF	20%	50V
C390	1-126-960-11	ELECT	1MF	20%	50V
C391	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C392	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C461	1-126-933-11	ELECT	100MF	20%	16V
C462	1-126-961-11	ELECT	2.2MF	20%	50V
C463	1-126-961-11	ELECT	2.2MF	20%	50V
C466	1-104-666-11	ELECT	220MF	20%	25V
C468	1-104-664-11	ELECT	47MF	20%	25V
C470	1-126-961-11	ELECT	2.2MF	20%	50V
C471	1-104-666-11	ELECT	220MF	20%	25V
C472	1-136-173-00	FILM	0.47MF	5%	50V
C473	1-136-169-00	FILM	0.22MF	5%	50V
C474	1-126-942-61	ELECT	1000MF	20%	25V
C475	1-136-169-00	FILM	0.22MF	5%	50V
C476	1-126-942-61	ELECT	1000MF	20%	25V
C477	1-126-942-61	ELECT	1000MF	20%	25V
C501	1-102-110-00	CERAMIC	220PF	10%	50V
C502	1-126-959-11	ELECT	0.47MF	20%	50V
C503	1-163-003-11	CERAMIC CHIP	330PF	10%	50V

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REF.NO.	PART NO.	DESCRIPTION			REMARK
C504	1-102-212-00	CERAMIC	820PF	10%	500V
C505	1-102-002-00	CERAMIC	680PF	10%	500V
C506	1-106-383-00	MYLAR	0.047MF	10%	200V
C507 ⚠	1-162-116-00	CERAMIC	680PF	10%	2KV
C508	1-102-244-00	CERAMIC	220PF	10%	500V
C509	1-162-116-00	CERAMIC	680PF	10%	2KV
C510	1-137-150-11	MYLAR	0.01MF	10%	100V
C511 ⚠	1-115-460-11	FILM	0.022MF	3%	1.2KV
C513 ⚠	1-130-895-00	FILM	0.056MF	5%	400V
C514 ⚠	1-104-844-11	FILM	0.62MF	5%	200V
C515	1-106-343-00	MYLAR	0.001MF	10%	100V
C516	1-115-461-11	FILM	2MF	5%	200V
C517	1-107-649-11	ELECT	2.2MF	20%	250V
C518	1-106-395-00	MYLAR	0.15MF	10%	200V
C519	1-162-815-11	CERAMIC	47PF	5%	500V
C520	1-164-645-11	CERAMIC	1000PF	10%	500V
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C522	1-126-960-11	ELECT	1MF	20%	50V
C525	1-102-244-00	CERAMIC	220PF	10%	500V
C526	1-107-662-11	ELECT	22MF	20%	250V
C527	1-162-116-00	CERAMIC	680PF	10%	2KV
C528	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C529	1-128-551-11	ELECT	22MF	20%	25V
C530	1-137-366-11	FILM	0.0022MF	5%	50V
C531	1-126-965-11	ELECT	22MF	20%	50V
C532	1-126-965-11	ELECT	22MF	20%	50V
C537	1-126-941-11	ELECT	470MF	20%	25V
C539 ⚠	1-126-935-11	ELECT	470MF	20%	16V
C540	1-123-024-21	ELECT	33MF		160V
C541	1-128-560-11	ELECT	22MF	20%	100V
C545	1-106-387-00	MYLAR	0.068MF	10%	200V
C546	1-106-343-00	MYLAR	0.001MF	10%	100V
C547	1-106-343-00	MYLAR	0.001MF	10%	100V
C551	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C561	1-126-967-11	ELECT	47MF	20%	50V
C563	1-126-923-11	ELECT	220MF	20%	10V
C564	1-126-960-11	ELECT	1MF	20%	50V
C565	1-126-969-11	ELECT	220MF	20%	50V
C566	1-126-964-11	ELECT	10MF	20%	50V
C568	1-136-169-00	FILM	0.22MF	5%	50V
C571	1-104-664-11	ELECT	47MF	20%	25V
C1002	1-126-964-11	ELECT	10MF	20%	50V
C1101	1-126-768-11	ELECT	2200MF	20%	16V
C1103	1-126-965-11	ELECT	22MF	20%	50V
C1104	1-126-967-11	ELECT	47MF	20%	16V
C1105	1-126-967-11	ELECT	47MF	20%	16V
C1106	1-126-964-11	ELECT	10MF	20%	50V
C1107	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C1108	1-126-960-11	ELECT	1MF	20%	50V
C1109	1-126-964-11	ELECT	10MF	20%	50V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C1110	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1111	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1112	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1244	1-126-959-11	ELECT	0.47MF	20%	50V
C1236	1-163-031-11	CERAMIC CHIP	0.01MF		50V (KV-32S26/32TW26/34RS26C)
C1237	1-136-161-00	FILM	0.047MF	5%	50V (KV-32S26/32TW26/34RS26C)
C1238	1-136-161-00	FILM	0.047MF	5%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1239	1-126-960-11	ELECT	1MF	20%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1240	1-126-960-11	ELECT	1MF	20%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1241	1-136-161-00	FILM	0.047MF	5%	50V (KV-32S26/32TW26/34RS26C)
C1242	1-126-960-11	ELECT	1MF	20%	50V (KV-32S26/32TW26/34RS26C)
C1243	1-126-960-11	ELECT	1MF	20%	50V (KV-32S26/32TW26/34RS26C)
C1245	1-126-959-11	ELECT	0.47MF	20%	50V
C1261	1-126-967-11	ELECT	47MF	20%	16V (KV-32S22/32S26/32TW26/34RS26C)
C1262	1-126-967-11	ELECT	47MF	20%	16V (KV-32S22/32S26/32TW26/34RS26C)
C1263	1-126-960-11	ELECT	1MF	20%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1264	1-126-960-11	ELECT	1MF	20%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1265	1-136-165-00	FILM	0.1MF	5%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1266	1-126-967-11	ELECT	47MF	20%	16V (KV-32S22/32S26/32TW26/34RS26C)
C1267	1-136-161-00	FILM	0.047MF	5%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1268	1-126-960-11	ELECT	1MF	20%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1269	1-126-960-11	ELECT	1MF	20%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1270	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V (KV-32S22/32S26/32TW26/34RS26C)
C1351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1352	1-126-933-11	ELECT	100MF	20%	16V
C1353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C1354	1-216-295-91	CONDUCTOR, CHIP	(2012)		
C1401	1-126-959-11	ELECT	0.47MF	20%	50V
C1402	1-126-964-11	ELECT	10MF	20%	50V
C1403	1-126-959-11	ELECT	0.47MF	20%	50V
C1404	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1405	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1406	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1407	1-165-319-11	CERAMIC CHIP	0.1MF		50V

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REF.NO.	PART NO.	DESCRIPTION			REMARK
C1408	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1409	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1410	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1411	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1412	1-126-961-11	ELECT	2.2MF	20%	50V
C1413	1-126-961-11	ELECT	2.2MF	20%	50V
C1414	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
C1415	1-126-965-11	ELECT	22MF	20%	50V
C1416	1-126-933-11	ELECT	100MF	20%	16V
C1417	1-126-767-11	ELECT	1000MF	20%	16V
C1420	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1501	1-115-462-11	FILM	0.12MF	5%	200V
		FILTER BLOCK			
CM305	1-467-554-21	FILTER BLOCK, COMB			(KV-32S22/32S26/32TW26/34RS26C)
		CONNECTOR			
CN270	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P			(KV-32S36)
CN271	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P			(KV-32S36)
CN351 *	1-564-509-11	PLUG, CONNECTOR 6P			
CN461 *	1-564-507-11	PLUG, CONNECTOR 4P			
CN501 *	1-580-798-11	CONNECTOR PIN (DY) 6P			
CN503 *	1-564-507-11	PLUG, CONNECTOR 4P			
CN1001*	1-564-512-11	PLUG, CONNECTOR 9P			(KV-32S26)
CN1101	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P			(KV-32S36)
CN1103	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P			
CN1641*	1-564-515-11	PLUG, CONNECTOR 12P			
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P			(KV-32S26/32S36/32TW26/34RS26C)
		DIODE			
D001	8-719-991-33	DIODE 1SS133T-77			
D002	8-719-109-89	DIODE RD5.6ESB2			
D003	8-719-991-33	DIODE 1SS133T-77			
D004	8-719-110-17	DIODE RD10ESB2			
D005	8-719-991-33	DIODE 1SS133T-77			(KV-32S22/32S26/32TW26/34RS26C)
D006	1-810-039-31	DIODE LED UNIT			(KV-32S22/32S26/32TW26/34RS26C)
D011	8-719-983-14	DIODE MTZJ-T-77-3.9			
D013	8-719-991-33	DIODE 1SS133T-77			
D014	8-719-991-33	DIODE 1SS133T-77			
D015	8-719-991-33	DIODE 1SS133T-77			
D353	8-719-991-33	DIODE 1SS133T-77			
D356	8-719-991-33	DIODE 1SS133T-77			
D360	8-719-110-17	DIODE RD10ESB2			
D362	8-719-991-33	DIODE 1SS133T-77			
D368	8-719-991-33	DIODE 1SS133T-77			(KV-32S26/32TW26/34RS26C)
D462	8-719-991-33	DIODE 1SS133T-77			
D501	8-719-109-89	DIODE RD5.6ESB2			
D502	8-719-945-80	DIODE ERC06-15S			
D503	8-719-945-80	DIODE ERC06-15S			
D504	8-719-900-26	DIODE ERD29-08J			
D505	8-719-908-03	DIODE GP08D			
D506	8-719-908-03	DIODE GP08D			
D507	8-719-991-33	DIODE 1SS133T-77			
D515	8-719-302-43	DIODE EL1Z			
D516	8-719-991-33	DIODE 1SS133T-77			
D518	8-719-991-33	DIODE 1SS133T-77			
D519 ⚠	8-719-302-43	DIODE EL1Z			
D520	8-719-991-33	DIODE 1SS133T-77			
D521	8-719-921-63	DIODE MTZJ-7.5B			
D530	8-719-979-85	DIODE EGP20G			
D531	8-719-979-85	DIODE EGP20G			
D534	8-719-302-43	DIODE EL1Z			
D561	8-719-908-03	DIODE GP08D			
D562	8-719-991-33	DIODE 1SS133T-77			
D1102	8-719-982-24	DIODE MTZJ-33A			
D1103	8-719-109-89	DIODE RD5.6ESB2			
D1247	8-719-110-17	DIODE RD10ES-T1B			(KV-32S22/32S26/32TW26/34RS26C)
D1248	8-719-981-99	DIODE MTZJ-T-77-3.3			
D1261	8-719-110-17	DIODE RD10ES-T1B			(KV-32S22/32S26/32TW26/34RS26C)
D1262	8-719-110-17	DIODE RD10ES-T1B			(KV-32S22/32S26/32TW26/34RS26C)
D1263	8-719-110-17	DIODE RD10ESB2			
D1264	8-719-110-17	DIODE RD10ESB2			
		FERRITE BEAD			
FB501	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH			
FB502	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH			
FB503	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH			
		IC			
IC001	8-752-880-88	IC CXP85840-002S			
IC002	8-759-354-28	IC ST24C02FM6TR			
IC003	8-742-014-10	IC SBX1981-51			(KV-32S22/32S26/32TW26/34RS26C)
IC351	8-752-076-76	IC CXA2025AS			
IC461	8-759-980-43	IC TDA2009A			
IC501	8-759-700-07	IC NJM2903M			
IC561	8-759-980-58	IC TDA8172			
IC1001	8-752-058-68	IC CXA1315M			(KV-32S26/32S36/32TW26/34RS26C)
IC1261	8-759-366-78	IC MM1313AD			(KV-32S22/32S26/32TW26/34RS26C)
IC1401	8-759-369-39	IC BH3856FS-E2			
IC1402	8-759-100-96	IC UPC4558G2			

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Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION	REMARK
	JACK		
J1232	1-774-749-11	JACK BLOCK, PIN 3P	(KV-32S22)
J1232	1-774-751-11	TERMINAL BLOCK, S3P	(KV-32S26/32TW26/34RS26C)
J1233	1-774-749-11	JACK BLOCK, PIN 3P	(KV-32S26/32TW26/34RS26C)
J1234	1-774-750-11	JACK BLOCK, PIN 2P	(KV-32S22/32S26/32TW26/34RS26C)
	CHIP CONDUCTOR		
JR001	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR163	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR240	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR351	1-216-295-91	CONDUCTOR CHIP (2012)	(KV-32S22)
JR352	1-216-295-91	CONDUCTOR CHIP (2012)	(KV-32S22)
JR501	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR1264	1-216-295-91	CONDUCTOR CHIP (2012)	(KV-32S22)
JR1351	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR1352	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4101	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4108	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4110	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4114	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4116	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4120	1-216-295-91	CONDUCTOR, CHIP (2012)	
	COIL		
L001	1-408-421-00	INDUCTOR	100UH
L002	1-408-421-00	INDUCTOR	100UH
L003	1-410-470-11	INDUCTOR	10UH
L004	1-410-470-11	INDUCTOR	10UH
L352	1-412-537-31	INDUCTOR	100UH
L461	1-408-408-00	INDUCTOR	8.2UH
L501 ⚠	1-411-976-11	COIL, HORIZONTAL LINEARITY	
L502	1-412-552-11	INDUCTOR	2.2MMH
L503	1-406-677-11	COIL, CHOKE 10MMH	
L511	1-406-607-41	COIL, CHOKE 15MMH	
L517	1-412-552-11	INDUCTOR	2.2MMH
L1101	1-408-421-00	INDUCTOR	100UH
L1102	1-410-470-11	INDUCTOR	10UH
L1401	1-410-494-11	INDUCTOR	1MMH
	IC LINK		
PS461 ⚠	1-532-984-11	LINK, IC 2A/90V	
	TRANSISTOR		
Q001	8-729-216-22	TRANSISTOR 2SA1162-G	
Q002	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q003	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q004	8-729-216-22	TRANSISTOR 2SA1162-G	
Q010	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q011	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q012	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q013	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q014	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q016	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q017	8-729-216-22	TRANSISTOR 2SA1162-G	
Q301	8-729-216-22	TRANSISTOR 2SA1162-G	
Q302	8-729-216-22	TRANSISTOR 2SA1162-G	
Q303	8-729-216-22	TRANSISTOR 2SA1162-G	
Q354	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q356	8-729-216-22	TRANSISTOR 2SA1162-G	
Q358	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q461	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q462	8-729-216-22	TRANSISTOR 2SA1162-G	
Q501	8-729-140-50	TRANSISTOR 2SC3209LK	
Q502 ⚠	8-729-035-75	TRANSISTOR 2SC5148(LBSONY)	
Q511 ⚠	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q512 ⚠	8-729-809-29	TRANSISTOR 2SC4159-E	
Q551	8-729-216-22	TRANSISTOR 2SA1162-G	
Q552	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q561	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q562	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q563	8-729-105-08	TRANSISTOR 2SA1330-O6	
Q1102	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1103	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1231	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1232	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1261	8-729-216-22	TRANSISTOR 2SB709A	(KV-32S22/32S26/32TW26/34RS26C)
Q1262	8-729-216-22	TRANSISTOR 2SB709A	(KV-32S22/32S26/32TW26/34RS26C)
Q1263	8-729-216-22	TRANSISTOR 2SB709A	(KV-32S22/32S26/32TW26/34RS26C)
	RESISTOR		
R001	1-216-045-00	METAL GLAZE	680 5% 1/10W
R002	1-247-815-91	CARBON	220 5% 1/4W
R003	1-216-097-91	METAL GLAZE	100K 5% 1/10W
R004	1-216-121-91	METAL GLAZE	1M 5% 1/10W
R005	1-247-815-91	CARBON	220 5% 1/4W
R006	1-247-815-91	CARBON	220 5% 1/4W (KV-32S36)
R007	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R008	1-247-815-91	CARBON	220 5% 1/4W (KV-32S36)
R009	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R010	1-216-037-00	METAL GLAZE	330 5% 1/10W

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

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REF.NO.	PART NO.	DESCRIPTION			REMARK
R011	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R012	1-216-033-00	METAL GLAZE	220	5%	1/10W
		(KV-32S22/32S36/32S26/32TW26/34RS26C)			
R013	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R014	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R015	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R016	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R019	1-249-425-11	CARBON	4.7K	5%	1/4W
R020	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R023	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R025	1-163-010-11	CERAMIC CHIP	0.0012MF	10%	50V
R026	1-163-038-91	CERAMIC CHIP	0.1MF		25V
R028	1-249-417-11	CARBON	1K	5%	1/4W
R029	1-216-025-91	METAL GLAZE	100	5%	1/10W
R030	1-249-425-11	CARBON	4.7K	5%	1/4W
R031	1-247-815-91	CARBON	220	5%	1/4W
					(KV-32S36)
R032	1-247-815-91	CARBON	220	5%	1/4W
R034	1-247-815-91	CARBON	220	5%	1/4W
R035	1-247-815-91	CARBON	220	5%	1/4W
R036	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R037	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R038	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R039	1-247-807-31	CARBON	100	5%	1/4W
R040	1-247-815-91	CARBON	220	5%	1/4W
					(KV-32S36)
R041	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
					(KV-32S36)
R042	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
					(KV-32S36)
R043	1-216-049-91	METAL GLAZE	1K	5%	1/10W
					(KV-32S36)
R044	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R045	1-247-815-91	CARBON	220	5%	1/4W
					(KV-32S36)
R046	1-247-815-91	CARBON	220	5%	1/4W
R047	1-249-417-11	CARBON	1K	5%	1/4W
R048	1-249-417-11	CARBON	1K	5%	1/4W
R049	1-249-417-11	CARBON	1K	5%	1/4W
R050	1-247-815-91	CARBON	220	5%	1/4W
					(KV-32S36)
R051	1-247-815-91	CARBON	220	5%	1/4W
R052	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R053	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R054	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R055	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R056	1-216-033-00	METAL GLAZE	220	5%	1/10W
R057	1-249-417-11	CARBON	1K	5%	1/4W
R058	1-216-033-00	METAL GLAZE	220	5%	1/10W
R059	1-216-047-91	METAL GLAZE	820	5%	1/10W
		(KV-32S22/32S36/32S26/32TW26/34RS26C)			
R060	1-216-047-91	METAL GLAZE	1K	5%	1/10W
		(KV-32S22/32S36/32S26/32TW26/34RS26C)			
R061	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
		(KV-32S22/32S36/32S26/32TW26/34RS26C)			
R062	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
		(KV-32S22/32S36/32S26/32TW26/34RS26C)			
R063	1-216-073-00	METAL GLAZE	10K	5%	1/10W
		(KV-32S22/32S36/32S26/32TW26/34RS26C)			
R064	1-247-815-91	CARBON	220	5%	1/4W
R065	1-247-815-91	CARBON	220	5%	1/4W
R066	1-247-815-91	CARBON	220	5%	1/4W
R067	1-249-413-11	CARBON	470	5%	1/4W
R068	1-247-815-91	CARBON	220	5%	1/4W
R069	1-247-815-91	CARBON	220	5%	1/4W
R070	1-247-815-91	CARBON	220	5%	1/4W
R071	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R072	1-216-033-00	METAL GLAZE	220	5%	1/10W
R073	1-216-033-00	METAL GLAZE	220	5%	1/10W
R074	1-216-033-00	METAL GLAZE	220	5%	1/10W
R075	1-216-033-00	METAL GLAZE	220	5%	1/10W
R076	1-216-033-00	METAL GLAZE	220	5%	1/10W
R077	1-216-033-00	METAL GLAZE	220	5%	1/10W
R078	1-249-417-11	CARBON	1K	5%	1/4W
R079	1-216-033-00	METAL GLAZE	220	5%	1/10W
R080	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R081	1-216-025-91	METAL GLAZE	100	5%	1/10W
R082	1-216-025-91	METAL GLAZE	100	5%	1/10W
R083	1-249-429-11	CARBON	10K	5%	1/4W
R084	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R087	1-247-815-91	CARBON	220	5%	1/4W
R090	1-216-033-00	METAL GLAZE	220	5%	1/10W
					(KV-32S36)
R092	1-249-429-11	CARBON	10K	5%	1/4W
R097	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R099	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R131	1-216-035-00	METAL GLAZE	270	5%	1/10W
R132	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R133	1-216-039-00	METAL GLAZE	390	5%	1/10W
R135	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R136	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R137	1-216-033-00	METAL GLAZE	220	5%	1/10W
R311	1-216-295-91	CONDUCTOR CHIP (2012)			
		(KV-32S22/32S26/32S26/32TW26/34RS26C)			
R312	1-216-049-91	METAL GLAZE	1K	5%	1/10W
		(KV-32S22/32S26/32S26/32TW26/34RS26C)			
R313	1-216-295-91	CONDUCTOR CHIP (2012)			
		(KV-32S22/32S26/32S26/32TW26/34RS26C)			
R314	1-216-049-91	METAL GLAZE	1K	5%	1/10W
		(KV-32S22/32S26/32S26/32TW26/34RS26C)			
R353	1-208-786-11	METAL GLAZE	1.5K	0.50%	1/10W
R354	1-216-077-00	METAL GLAZE	15K	5%	1/10W

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Note: The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Note: **The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.**

REF.NO.	PART NO.	DESCRIPTION			REMARK
R355	1-216-033-00	METAL GLAZE	220	5%	1/10W
R356	1-216-033-00	METAL GLAZE	220	5%	1/10W
R358	1-247-815-91	CARBON	220	5%	1/4W
		(KV-32S26/32S36/32S26/32TW26/34RS26C)			
R359	1-247-815-91	CARBON	220	5%	1/4W
		(KV-32S26/32S36/32S26/32TW26/34RS26C)			
R360	1-247-815-91	CARBON	220	5%	1/4W
		(KV-32S26/32S36/32S26/32TW26/34RS26C)			
R361	1-216-025-91	METAL GLAZE	100	5%	1/10W
R362	1-216-025-91	METAL GLAZE	100	5%	1/10W
R363	1-216-025-91	METAL GLAZE	100	5%	1/10W
R364	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R365	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R366	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R367	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R368	1-249-441-11	CARBON	100K	5%	1/4W
R369	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R372	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R373	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R374	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W
R375	1-216-025-91	METAL GLAZE	100	5%	1/10W
R376	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R379	1-216-033-00	METAL GLAZE	220	5%	1/10W
R380	1-247-815-91	CARBON	220	5%	1/4W
R381	1-247-815-91	CARBON	220	5%	1/4W
R382	1-216-033-00	METAL GLAZE	220	5%	1/10W
R383	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R384	1-216-109-00	METAL GLAZE	330K	5%	1/10W
R385	1-249-422-11	CARBON	2.7K	5%	1/4W
R386	1-216-049-91	METAL GLAZE	1K	5%	1/10W
		(KV-32S26/32S36/32S26/32TW26/34RS26C)			
R387	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R388	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R389	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R390	1-216-035-00	METAL GLAZE	270	5%	1/10W
R391	1-208-810-11	METAL GLAZE	15K	0.50%	1/10W
R392	1-216-025-91	METAL GLAZE	100	5%	1/10W
R393	1-216-043-91	METAL GLAZE	560	5%	1/10W
R394	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R395	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R397	1-249-425-11	CARBON	4.7K	5%	1/4W
R461	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R462	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R463	1-249-435-11	CARBON	33K	5%	1/4W
R464	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R465	1-249-413-11	CARBON	470	5%	1/4W
R466	1-249-388-11	CARBON	3.9	5%	1/4W F
R467	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R469	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R471	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R472	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R473	1-249-398-11	CARBON	27	5%	1/4W
R475	1-249-430-11	CARBON	12K	5%	1/4W
R476	1-249-430-11	CARBON	12K	5%	1/4W
R477	1-249-398-11	CARBON	27	5%	1/4W
R478	1-249-418-11	CARBON	1.2K	5%	1/4W F
R479	1-249-418-11	CARBON	1.2K	5%	1/4W F
R480	1-249-385-11	CARBON	2.2	5%	1/4W F
R481	1-249-385-11	CARBON	2.2	5%	1/4W F
R482	1-249-421-11	CARBON	2.2K	5%	1/4W
R483	1-249-421-11	CARBON	2.2K	5%	1/4W
R501	1-216-037-00	METAL GLAZE	330	5%	1/10W
R502	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R503	1-249-426-11	CARBON	5.6K	5%	1/4W F
R504 ⚠	1-215-917-11	METAL OXIDE	1K	5%	3W F
R505	1-249-431-11	CARBON	15K	5%	1/4W
R506	1-215-861-00	METAL OXIDE	47	5%	1W F
R507	1-249-401-11	CARBON	47	5%	1/4W
R508	1-249-427-11	CARBON	6.8K	5%	1/4W
R509	1-247-750-11	CARBON	680	5%	1/2W F
R510 ⚠	1-215-860-11	METAL OXIDE	33	5%	1W F
R511 ⚠	1-215-885-00	METAL OXIDE	68	5%	2W F
R512 ⚠	1-215-886-11	METAL OXIDE	100	5%	2W F
R515	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R516	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R517	1-249-415-11	CARBON	680	5%	1/4W
R518	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R519	1-249-411-11	CARBON	330	5%	1/4W
R523	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R524	1-249-429-11	CARBON	10K	5%	1/4W
R525	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R528	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R529	1-208-814-11	METAL GLAZE	22K	0.50%	1/10W
⊠ R530 ⚠		METAL GLAZE			1/10W
⊠ R531 ⚠		METAL GLAZE			1/10W
R532	1-208-760-11	METAL GLAZE	120	0.50%	1/10W
R533 ⚠	1-215-902-11	METAL OXIDE	47K	5%	1W F
R535	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R536 ⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R537 ⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R538	1-247-887-00	CARBON	220K	5%	1/4W
R543	1-249-377-11	CARBON	0.47	5%	1/4W F
R546	1-215-453-00	METAL	22K	1%	1/4W
R547	1-215-457-00	METAL	33K	1%	1/4W
R549	1-215-437-00	METAL	4.7K	1%	1/4W
R550 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F
R551 ⚠	1-215-873-00	METAL OXIDE	4.7K	5%	1W F
R552	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R553 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F
R554	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W

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REF.NO.	PART NO.	DESCRIPTION			REMARK
R561	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R563 ⚠	1-216-351-00	METAL OXIDE	1.5	5%	1W F
R564	1-249-393-11	CARBON	10	5%	1/4W
R565 ⚠	1-215-890-11	METAL OXIDE	470	5%	2W F
R566	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R567 ⚠	1-249-385-11	CARBON	2.2	5%	1/4W F
R568	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R569	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R570	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R571	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R572	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R573	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R574 ⚠	1-216-365-00	METAL OXIDE	0.47	5%	2W F
R575	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R576	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R577	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R578	1-208-784-11	METAL GLAZE	1.2K	0.50%	1/10W
R579	1-208-842-11	METAL GLAZE	330K	0.50%	1/10W
R580	1-249-441-11	CARBON	100K	5%	1/4W
R1001	1-247-807-31	CARBON	100	5%	1/4W (KV-32S26/32S36/32S26/32TW26/34RS26C)
R1002	1-247-807-31	CARBON	100	5%	1/4W (KV-32S26/32S36/32S26/32TW26/34RS26C)
R1005	1-216-073-00	METAL GLAZE	10K	5%	1/10W (KV-32S26/32S36/32S26/32TW26/34RS26C)
R1009	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-32S22/32S26/32S26/32TW26/34RS26C)
R1010	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-32S22/32S26/32S26/32TW26/34RS26C)
R1101	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1102	1-215-900-11	METAL OXIDE	22K	5%	2W F
R1103	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R1104	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R1105	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R1106	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1107	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1108	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1109	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1110	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1111	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1115	1-216-045-00	METAL GLAZE	680	5%	1/10W
R1117	1-249-425-11	CARBON	4.7K	5%	1/4W
R1118	1-249-425-11	CARBON	4.7K	5%	1/4W
R1120	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1121	1-216-035-00	METAL GLAZE	270	5%	1/10W
R1122	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R1123	1-216-039-00	METAL GLAZE	390	5%	1/10W
R1125	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1126	1-216-035-00	METAL GLAZE	270	5%	1/10W
R1127	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R1128	1-216-039-00	METAL GLAZE	390	5%	1/10W
R1130	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1234	1-249-441-11	CARBON	100K	5%	1/4W (KV-32S22/32S26/32TW26/34RS26C)
R1240	1-216-022-00	METAL GLAZE	75	5%	1/10W (KV-32S26/32TW26/34RS26C)
R1241	1-216-022-00	METAL GLAZE	75	5%	1/10W (KV-32S26/32TW26/34RS26C)
R1242	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W (KV-32S26/32TW26/34RS26C)
R1243	1-249-441-11	CARBON	100K	5%	1/4W (KV-32S22/32S26/32TW26/34RS26C)
R1244	1-216-022-00	METAL GLAZE	75	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1245	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1246	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1247	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1248	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1249	1-216-022-00	METAL GLAZE	75	5%	1/10W (KV-32S26/32TW26/34RS26C)
R1250	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-32S26/32TW26/34RS26C)
R1251	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W (KV-32S26/32TW26/34RS26C)
R1252	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1253	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1254	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1255	1-216-049-91	METAL GLAZE	1K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1256	1-216-113-00	METAL GLAZE	470K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1257	1-216-049-91	METAL GLAZE	1K	5%	1/10W (KV-32S22/32S26/32TW26/34RS26C)
R1258	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R1259	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1260	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R1261	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-32S22/32S26/32S26/32TW26/34RS26C)
R1262	1-216-025-91	METAL GLAZE	100	5%	1/10W (KV-32S22/32S26/32S26/32TW26/34RS26C)
R1263	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-32S26/32S26/32TW26/34RS26C)
R1264	1-216-025-91	METAL GLAZE	100	5%	1/10W (KV-32S22/32S26/32S26/32TW26/34RS26C)
R1265	1-216-033-00	METAL GLAZE	220	5%	1/10W (KV-32S26/32S26/32TW26/34RS26C)

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R1266	1-216-025-91	METAL GLAZE 100 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1267	1-216-025-91	CONDUCTOR CHIP (2012)	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1268	1-216-025-91	METAL GLAZE 100 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1270	1-216-025-91	METAL GLAZE 100 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1272	1-216-025-91	METAL GLAZE 100 5% 1/10W	(KV-32S26/32S26/32TW26/34RS26C)
R1273	1-216-033-00	METAL GLAZE 220 5% 1/10W	(KV-32S26/32S26/32TW26/34RS26C)
R1274	1-216-025-91	METAL GLAZE 100 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1277	1-247-815-91	CARBON 220 5% 1/4W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1278	1-247-815-91	CARBON 220 5% 1/4W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1280	1-216-025-91	METAL GLAZE 100 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1282	1-216-025-91	METAL GLAZE 100 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1283	1-247-791-91	CARBON 22 5% 1/4W	(KV-32S26/32S26/32TW26/34RS26C)
R1284	1-247-807-31	CARBON 100 5% 1/4W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1286	1-216-049-00	METAL GLAZE 1K 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1287	1-216-049-00	METAL GLAZE 1K 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1288	1-247-807-31	CARBON 100 5% 1/4W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1290	1-216-041-00	METAL GLAZE 470 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1291	1-216-045-00	METAL GLAZE 680 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1292	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1293	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1294	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R1295	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R1297	1-216-025-91	METAL GLAZE 100 5% 1/10W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1351	1-247-815-91	CARBON 220 5% 1/4W	
R1352	1-247-815-91	CARBON 220 5% 1/4W	
R1353	1-247-815-91	CARBON 220 5% 1/4W	
R1354	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1355	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1356	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1357	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1358	1-247-807-31	CARBON 100 5% 1/4W	
R1359	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1360	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R1361	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1362	1-216-295-91	CONDUCTOR, CHIP (2012)	
R1402	1-249-429-11	CARBON 10K 5% 1/4W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1404	1-249-429-11	CARBON 10K 5% 1/4W	(KV-32S22/32S26/32S26/32TW26/34RS26C)
R1407	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1408	1-249-429-11	CARBON 10K 5% 1/4W	(KV-32S36)
R1409	1-249-429-11	CARBON 10K 5% 1/4W	(KV-32S36)
R1411	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1412	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1413	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R1414	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R1415	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1418	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1419	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R1420	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R1421	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1424	1-247-807-31	CARBON 100 5% 1/4W	
R1425	1-247-807-31	CARBON 100 5% 1/4W	

SWITCH

S001	1-692-431-21	SWITCH, TACTILE	(KV-32S22/32S26/32TW26/34RS26C)
S002	1-692-431-21	SWITCH, TACTILE	(KV-32S22/32S26/32TW26/34RS26C)
S003	1-692-431-21	SWITCH, TACTILE	(KV-32S22/32S26/32TW26/34RS26C)
S004	1-692-431-21	SWITCH, TACTILE	(KV-32S22/32S26/32TW26/34RS26C)
S005	1-692-431-21	SWITCH, TACTILE	(KV-32S22/32S26/32TW26/34RS26C)
S006	1-692-431-21	SWITCH, TACTILE	(KV-32S22/32S26/32TW26/34RS26C)
S007 ⚠	1-692-431-21	SWITCH, TACTILE	(KV-32S22/32S26/32TW26/34RS26C)
S501	1-572-707-11	SWITCH, LEVER	

TRANSFORMER

T501	1-437-210-11	TRANSFORMER, HORIZONTAL DRIVE
T502 ⚠	1-424-545-11	TRANSFORMER, FERRITE (PMT)
T503 ⚠	8-598-969-00	FBT ASSY, NX-2609

TUNER

TU102 ⚠	8-598-340-00	TUNER BTF-WA404

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REF.NO.	PART NO.	DESCRIPTION			REMARK
		CRYSTAL			
X001	1-578-774-11	VIBRATOR, CRYSTAL			
X353	1-567-505-11	OSCILLATOR, CRYSTAL			
X354	1-577-611-11	OSCILALTOR, CERAMIC			
		G			
		* A-1316-249-A G BOARD, COMPLETE (KV-32S22/32S26/32TW26)			
		* A-1316-252-A G BOARD, COMPLETE (KV-34RS26C)			
		* A-1316-261-A G BOARD, COMPLETE (KV-32S36)			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		CAPACITOR			
C602	1-126-963-11	ELECT	4.7MF	20% 50V	(KV-34RS26C)
C603 ⚠	1-113-915-11	CERAMIC	0.001MF	20% 250V	
C604 ⚠	1-136-346-21	FILM	0.22MF	20% 125V	(KV-32S36)
C605 ⚠	1-136-346-21	FILM	0.22MF	20% 125V	(KV-32S22/32S26/32TW26/32S36)
C605 ⚠	1-136-346-51	FILM	0.22MF	20% 300V	(KV-34RS26C)
C606 ⚠	1-115-388-11	ELECT	560MF	20% 200V	
C607 ⚠	1-115-388-11	ELECT	560MF	20% 200V	
C608	1-164-625-11	CERAMIC	680PF	10% 500V	(KV-32S22/32S26/32TW26/32S36)
C608	1-164-645-11	CERAMIC	1000PF	10% 500V	(KV-34RS26C)
C609	1-136-173-00	FILM	0.47MF	5% 50V	
C610	1-136-173-00	FILM	0.47MF	5% 50V	
C611	1-136-169-00	FILM	0.22MF	5% 50V	
C612	1-136-169-00	FILM	0.22MF	5% 50V	
C613	1-164-645-11	CERAMIC	1000PF	10% 500V	
C614	1-164-645-11	CERAMIC	1000PF	10% 500V	
C615	1-136-759-11	FILM	0.039MF	5% 630V	
C617	1-113-915-11	CERAMIC	0.001MF	20% 250V	
C626 ⚠	1-113-897-11	CERAMIC	100PF	10% 250V	(KV-34RS26C)
C641	1-126-943-11	ELECT	2200MF	20% 25V	
C642	1-126-767-11	ELECT	1000MF	20% 16V	
C643	1-107-641-11	ELECT	220MF	20% 160V	
C646	1-126-933-11	ELECT	100MF	20% 16V	
C647	1-128-551-11	ELECT	22MF	20% 25V	
C648	1-126-933-11	ELECT	100MF	20% 16V	
C651	1-137-366-11	FILM	0.0022MF	5% 50V	
C652	1-106-351-00	MYLAR	0.0022MF	99% 200V	
C653	1-107-636-11	ELECT	10MF	20% 160V	
C654	1-164-625-11	CERAMIC	680PF	10% 500V	
C655	1-164-625-11	CERAMIC	680PF	10% 500V	
C656	1-164-625-11	CERAMIC	680PF	10% 500V	
C657	1-164-625-11	CERAMIC	680PF	10% 500V	
C661	1-126-963-11	ELECT	4.7MF	20% 50V	(KV-32S22/32S26/32TW26/32S36)
C690	1-164-645-11	CERAMIC	1000PF	10% 500V	
C691	1-164-645-11	CERAMIC	1000PF	10% 500V	
		CONNECTOR			
CN601 *	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P			
CN602 *	1-580-844-11	PIN, CONNECTOR (POWER)			
CN641 *	1-564-515-11	PLUG, CONNECTOR 12P			
		DIODE			
D601	8-719-911-19	DIODE 1SS119-25			
D602 ⚠	8-719-510-53	DIODE D4SB60L			
D603	8-719-911-19	DIODE 1SS119-25			
D604	8-719-911-19	DIODE 1SS119-25			
D605	8-719-911-19	DIODE 1SS119-25			
D606	8-719-911-19	DIODE 1SS119-25			
D607	8-719-911-19	DIODE 1SS119-25			
D608	8-719-911-19	DIODE 1SS119-25			
D609	8-719-911-19	DIODE 1SS119-25			
D610	8-719-911-19	DIODE 1SS119-25			
D615	8-719-028-45	DIODE D2L20U			
D641	8-719-052-40	DIODE RBA-1004B			
D643	8-719-028-45	DIODE D2L20U			
D644	8-719-028-45	DIODE D2L20U			
D645	8-719-028-45	DIODE D2L20U			
D646	8-719-510-12	DIODE D10SC4M			
D648	8-719-057-52	DIODE EZ0150AV1			
D649	8-719-510-02	DIODE D1NS4			
D650	8-719-510-02	DIODE D1NS4			
		FUSE			
F601	1-533-223-11	HOLDER, FUSE			
F601 ⚠	1-576-193-11	FUSE 6.3A/125V (KV-32S22/32S26/32TW26/32S36)			
F601 ⚠	1-532-506-51	FUSE 6.3A/250V (KV-34RS26C)			
		FERRITE BEAD			
FB601	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB602	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB641	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB642	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB643	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB644	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB645	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB646	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB647	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH
FB648	1-410-397-21	FERRITE BEAD INDUCTOR			1.1UH

G

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION				REMARK
		IC				
IC641	8-749-920-58	IC SI-3090CA				
IC642	8-759-701-56	IC NJM78M05FA				
IC643	8-749-012-13	IC DM-58				
		COIL				
L642	1-412-529-11	INDUCTOR	22UH			
L643	1-412-525-31	INDUCTOR	10UH			
		TRANSISTOR				
Q601 ⚠	8-729-019-49	TRANSISTOR 2SC4834M				
Q602 ⚠	8-729-019-49	TRANSISTOR 2SC4834M				
Q644	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q645	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q646	8-729-119-78	TRANSISTOR 2SC3311A (except KV-34RS26C)				
		RESISTOR				
R603 ⚠	1-219-776-11	CARBON	2.2M	10%	1/2W	(KV-32S22/32S26/32S36/32S26/32TW26)
R603 ⚠	1-247-289-00	CARBON	8.2M	5%	1W	(KV-34RS26C)
R605	1-247-893-11	CARBON	390K	5%	1/4W	
R606	1-247-893-11	CARBON	390K	5%	1/4W	
R607 ⚠	1-202-933-61	FUSIBLE	0.1	10%	1/2W F	
R608 ⚠	1-216-372-11	METAL OXIDE	1.8	5%	2W F	(KV-32S22/32S26/32S36/32S26/32TW26)
R608 ⚠	1-216-369-00	METAL OXIDE	1	5%	2W F	(KV-34RS26C)
R609	1-247-791-91	CARBON	22	5%	1/4W	
R610	1-247-791-91	CARBON	22	5%	1/4W	
R611 ⚠	1-216-372-11	METAL OXIDE	1.8	5%	2W F	(KV-32S22/32S26/32S36/32S26/32TW26)
R611 ⚠	1-216-369-00	METAL OXIDE	1	5%	2W F	(KV-34RS26C)
R612	1-247-887-00	CARBON	220K	5%	1/4W	
R613	1-247-887-00	CARBON	220K	5%	1/4W	
R614	1-247-887-00	CARBON	220K	5%	1/4W	
R615	1-247-887-00	CARBON	220K	5%	1/4W	
R616	1-247-791-91	CARBON	22	5%	1/4W	
R617	1-247-791-91	CARBON	22	5%	1/4W	
R622	1-212-958-00	FUSIBLE	10	5%	1/2W F	
R623 ⚠	1-205-943-11	WIREWOUND	1	5%	20W	(KV-32S22/32S26/32TW26/32S36)
R623 ⚠	1-243-023-11	WIREWOUND	3.9	5%	20W	(KV-34RS26C)
R641	1-247-843-11	CARBON	3.3K	5%	1/4W	
R642	1-247-843-11	CARBON	3.3K	5%	1/4W	
R643	1-249-387-11	CARBON	3.3	5%	1/4W F	
R644 ⚠	1-215-882-00	METAL OXIDE	22	5%	2W F	
R645 ⚠	1-260-304-51	CARBON	10	5%	1/2W	(KV-34RS26C)
R646	1-216-369-00	METAL OXIDE	1	5%	2W	(KV-32S22/32S26/32TW26)
R647	1-249-417-11	CARBON	1K	5%	1/4W	
R648	1-247-887-00	CARBON	220K	5%	1/4W	
R649	1-249-425-11	CARBON	4.7K	5%	1/4W F	
R652	1-249-421-11	CARBON	2.2K	5%	1/4W	
R659	1-249-429-11	CARBON	10K	5%	1/4W	(KV-34RS26C)
R661	1-249-413-11	CARBON	470	5%	1/4W F	
R662	1-249-429-11	CARBON	10K	5%	1/4W	
R663 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R664 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R665 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R666 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R667 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R668 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R670 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R671 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R672 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F	
R678	1-247-863-91	CARBON	22K	5%	1/4W	(KV-32S22/32S26/32TW26/32S36)
R679	1-247-863-91	CARBON	22K	5%	1/4W	(KV-32S22/32S26/32TW26/32S36)
R680	1-249-429-11	CARBON	10K	5%	1/4W	(KV-32S22/32S26/32TW26/32S36)
R681	1-249-407-11	CARBON	150	5%	1/4W	(KV-32S22/32S26/32TW26/32S36)
		RELAY				
RY601 ⚠	1-755-018-11	RELAY (KV-32S22/32S26/32TW26/34RS26C)				
RY601 ⚠	1-755-146-11	RELAY, AC POWER (KV-32S36)				
		TRANSFORMER				
T601 ⚠	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)				(KV-32S22/32S26/32TW26/32S36)
T602 ⚠	1-426-717-11	TRANSFORMER, LINE FILTER (LFT) (KV-34RS26C)				
T602 ⚠	1-424-220-11	TRANSFORMER, LINE FILTER				(KV-32S22/32S26/32TW26/32S36)
T603 ⚠	1-427-864-11	TRANSFORMER, CONVERTER (PRT)				
T605 ⚠	1-429-415-11	TRANSFORMER, CONVERTER (PIT)				
		THERMISTOR				
THP601 ⚠	1-809-539-11	THERMISTOR, POSITIVE (KV-32S36)				
THP601 ⚠	1-809-827-11	THERMISTOR, POSITIVE (KV-34RS26C)				
THP601 ⚠	1-755-018-11	THERMISTOR, POSITIVE (KV-32S22/32S26/32TW26)				
		VARISTOR				
VDR601	1-810-974-21	VARISTOR				

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C

REF.NO.	PART NO.	DESCRIPTION			REMARK
C					
*	A-1331-549-A	C BOARD, MOUNTED			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		CAPACITOR			
C1765	1-102-116-00	CERAMIC	680PF	10% 50V	
C1766	1-102-117-00	CERAMIC	820PF	10% 50V	
C1767	1-102-116-00	CERAMIC	680PF	10% 50V	
C1775	1-102-116-00	CERAMIC	680PF	10% 50V	
C1776	1-102-117-00	CERAMIC	820PF	10% 50V	
C1777	1-102-116-00	CERAMIC	680PF	10% 50V	
C1785	1-102-116-00	CERAMIC	680PF	10% 50V	
C1786	1-102-117-00	CERAMIC	820PF	10% 50V	
C1787	1-102-116-00	CERAMIC	680PF	10% 50V	
C1790	1-102-129-00	CERAMIC	0.01MF	10% 50V	
C1791	1-126-933-11	ELECT	100MF	20% 16V	
C1793	1-107-651-11	ELECT	4.7MF	20% 250V	
C1795	1-102-074-00	CERAMIC	0.001MF	10% 50V	
C1797	1-106-375-12	MYLAR	0.022MF	99% 200V	
C1798	1-106-375-12	MYLAR	0.022MF	99% 200V	
C1799	1-162-114-00	CERAMIC	0.0047MF	2KV	
		CONNECTOR			
CN1761*	1-564-509-11	PLUG, CONNECTOR	6P		
CN1764*	1-564-507-11	PLUG, CONNECTOR	4P		
CN1765	1-695-915-11	TAB (CONTACT)			
CN1766	1-695-915-11	TAB (CONTACT)			
		DIODE			
D1761	8-719-991-33	DIODE 1SS133T-77			
D1762	8-719-991-33	DIODE 1SS133T-77			
D1763	8-719-991-33	DIODE 1SS133T-77			
D1771	8-719-991-33	DIODE 1SS133T-77			
D1772	8-719-991-33	DIODE 1SS133T-77			
D1773	8-719-991-33	DIODE 1SS133T-77			
D1781	8-719-991-33	DIODE 1SS133T-77			
D1782	8-719-991-33	DIODE 1SS133T-77			
D1783	8-719-991-33	DIODE 1SS133T-77			
D1790	8-719-991-33	DIODE 1SS133T-77			
D1792	8-719-983-14	DIODE MTZJ-T-77-3.9			
		JACK			
J1761 ⚠	1-251-388-11	SOCKET, CRT			

REF.NO.	PART NO.	DESCRIPTION			REMARK
		COIL			
L1790	1-410-667-31	INDUCTOR	22UH		
		TRANSISTOR			
Q1761	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q1762	8-729-326-11	TRANSISTOR 2SC2611			
Q1763	8-729-200-17	TRANSISTOR 2SA1091-0			
Q1771	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q1772	8-729-326-11	TRANSISTOR 2SC2611			
Q1773	8-729-200-17	TRANSISTOR 2SA1091-0			
Q1781	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q1782	8-729-326-11	TRANSISTOR 2SC2611			
Q1783	8-729-200-17	TRANSISTOR 2SA1091-0			
Q1790	8-729-119-76	TRANSISTOR 2SA1175-HFE			
		RESISTOR			
R1760	1-260-105-11	CARBON	3.3K	5% 1/2W	
R1761	1-247-807-31	CARBON	100	5% 1/4W	
R1763	1-249-409-11	CARBON	220	5% 1/4W	F
R1764 ⚠	1-216-486-00	METAL OXIDE	8.2K	5% 3W	F
R1765	1-249-411-11	CARBON	330	5% 1/4W	
R1766	1-249-393-11	CARBON	10	5% 1/4W	
R1767	1-249-429-11	CARBON	10K	5% 1/4W	
R1768	1-249-411-11	CARBON	330	5% 1/4W	
R1770	1-260-105-11	CARBON	3.3K	5% 1/2W	
R1771	1-247-807-31	CARBON	100	5% 1/4W	
R1773	1-249-409-11	CARBON	220	5% 1/4W	F
R1774 ⚠	1-216-486-00	METAL OXIDE	8.2K	5% 3W	F
R1775	1-249-407-11	CARBON	150	5% 1/4W	
R1776	1-249-393-11	CARBON	10	5% 1/4W	
R1777	1-249-429-11	CARBON	10K	5% 1/4W	
R1780	1-260-105-11	CARBON	3.3K	5% 1/2W	
R1781	1-247-807-31	CARBON	100	5% 1/4W	
R1783	1-249-409-11	CARBON	220	5% 1/4W	F
R1784 ⚠	1-216-486-00	METAL OXIDE	8.2K	5% 3W	F
R1785	1-249-407-11	CARBON	150	5% 1/4W	
R1786	1-249-393-11	CARBON	10	5% 1/4W	
R1787	1-249-429-11	CARBON	10K	5% 1/4W	
R1789	1-249-437-11	CARBON	47K	5% 1/4W	
R1792	1-247-815-91	CARBON	220	5% 1/4W	
R1793	1-247-863-91	CARBON	22K	5% 1/4W	
R1794	1-249-417-11	CARBON	1K	5% 1/4W	
R1795	1-260-087-11	CARBON	100	5% 1/2W	
R1796 ⚠	1-216-374-00	METAL OXIDE	2.7	5% 2W	F
R1797	1-260-123-11	CARBON	100K	5% 1/2W	

HS SC UV

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REF.NO.	PART NO.	DESCRIPTION			REMARK

HS

* A-1375-163-A HS BOARD, MOUNTED (KV-32S36)

CAPACITOR

C2168	1-104-665-11	ELECT	100MF	20%	25V

CONNECTOR

CN2101	1-564-524-11	PLUG, CONNECTOR	9P		

DIODE

D2106	1-810-039-11	LED UNIT			

IC

IC2103	8-742-014-10	HYB IC SBX1981-51			

RESISTOR

R2109	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2110	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2159	1-216-047-91	METAL GLAZE	820	5%	1/10W
R2160	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2161	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
R2162	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R2163	1-216-073-00	METAL GLAZE	10K	5%	1/10W

SWITCH

S2101	1-692-431-21	SWITCH, TACTILE			
S2102	1-692-431-21	SWITCH, TACTILE			
S2103	1-692-431-21	SWITCH, TACTILE			
S2104	1-692-431-21	SWITCH, TACTILE			
S2105	1-692-431-21	SWITCH, TACTILE			
S2106	1-692-431-21	SWITCH, TACTILE			
S2107	1-692-431-21	SWITCH, TACTILE			

SC

* A-1390-585-A SC BOARD, MOUNTED (KV-32S36)

CONNECTOR

CN104	1-573-978-21	CONNECTOR, BOARD TO BOARD	11P
CN105	1-573-978-21	CONNECTOR, BOARD TO BOARD	11P

REF.NO.	PART NO.	DESCRIPTION			REMARK

UV

* A-1394-850-A UV BOARD, COMPLETE (KV-32S36)

CAPACITOR

C231	1-163-031-11	CERAMIC CHIP 0.01MF			50V
C232	1-136-161-00	FILM	0.047MF	5%	50V
C233	1-136-161-00	FILM	0.047MF	5%	50V
C234	1-126-960-11	ELECT	1MF	20%	50V
C235	1-126-960-11	ELECT	1MF	20%	50V
C236	1-136-161-00	FILM	0.047MF	5%	50V
C237	1-126-960-11	ELECT	1MF	20%	50V
C238	1-126-960-11	ELECT	1MF	20%	50V
C261	1-136-161-00	FILM	0.047MF	5%	50V
C262	1-104-664-11	ELECT	47MF	20%	25V
C263	1-136-161-00	FILM	0.047MF	5%	50V
C264	1-126-941-11	ELECT	470MF	20%	25V
C265	1-104-664-11	ELECT	47MF	20%	25V
C266	1-126-960-11	ELECT	1MF	20%	50V
C267	1-126-960-11	ELECT	1MF	20%	50V
C270	1-126-960-11	ELECT	1MF	20%	50V
C271	1-126-960-11	ELECT	1MF	20%	50V
C273	1-136-165-00	FILM	0.1MF	5%	50V
C274	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C276	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C301	1-126-935-11	ELECT	470MF	20%	16V

FILTER BLOCK

CM301	1-467-554-21	FILTER BLOCK, COMB	

CONNECTOR

CN261	1-573-979-21	CONNECTOR, BOARD TO BOARD	11P
CN262	1-573-301-21	CONNECTOR, BOARD TO BOARD	20P
CN263 *	1-564-506-11	PLUG, CONNECTOR	3P
CN264	1-573-979-21	CONNECTOR, BOARD TO BOARD	11P

DIODE

D231	8-719-110-17	DIODE RD10ESB2
D232	8-719-110-17	DIODE RD10ESB2
D233	8-719-110-17	DIODE RD10ESB2
D234	8-719-110-17	DIODE RD10ESB2
D235	8-719-110-17	DIODE RD10ESB2
D236	8-719-110-17	DIODE RD10ESB2
D240	8-719-110-17	DIODE RD10ESB2
D241	8-719-110-17	DIODE RD10ESB2
D242	8-719-110-17	DIODE RD10ESB2

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UV

REF.NO.	PART NO.	DESCRIPTION	REMARK
D243	8-719-110-17	DIODE RD10ESB2	
D244	8-719-110-17	DIODE RD10ESB2	
D264	8-719-110-17	DIODE RD10ESB2	
D265	8-719-110-17	DIODE RD10ESB2	
		IC	
IC261	8-759-366-78	IC MM1313AD	
		JACK	
J231	1-750-515-11	TERMINAL BLOCK, S 3P	
J232	1-774-746-11	JACK BLOCK, PIN	
J233	1-774-747-11	JACK BLOCK, PIN	
		CHIP CONDUCTOR	
JR151	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR152	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR201	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR204	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR205	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR206	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR208	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR209	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR210	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR211	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR212	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR213	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR214	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR215	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR216	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR217	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR218	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR219	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR220	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR221	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR222	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR223	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR226	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR228	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR261	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR262	1-216-295-91	CONDUCTOR, CHIP (2012)	
		TRANSISTOR	
Q243	8-729-216-22	TRANSISTOR 2SA1162-G	
Q261	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q262	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q263	8-729-216-22	TRANSISTOR 2SA1162-G	
Q265	8-729-216-22	TRANSISTOR 2SA1162-G	

REF.NO.	PART NO.	DESCRIPTION			REMARK
		RESISTOR			
R212	1-249-440-11	CARBON	82K	5%	1/4W
R225	1-247-815-91	CARBON	220	5%	1/4W
R226	1-247-815-91	CARBON	220	5%	1/4W
R227	1-249-440-11	CARBON	82K	5%	1/4W
R228	1-216-033-00	METAL GLAZE	220	5%	1/10W
R229	1-216-025-91	METAL GLAZE	100	5%	1/10W
R230	1-216-033-00	METAL GLAZE	220	5%	1/10W
R231	1-216-022-00	METAL GLAZE	75	5%	1/10W
R232	1-216-022-00	METAL GLAZE	75	5%	1/10W
R233	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R234	1-216-022-00	METAL GLAZE	75	5%	1/10W
R235	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R236	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R237	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R238	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R239	1-216-022-00	METAL GLAZE	75	5%	1/10W
R240	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R241	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R242	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R243	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R244	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R245	1-249-417-11	CARBON	1K	5%	1/4W
R246	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R247	1-249-417-11	CARBON	1K	5%	1/4W
R260	1-247-807-31	CARBON	100	5%	1/4W
R264	1-247-815-91	CARBON	220	5%	1/4W
R265	1-247-815-91	CARBON	220	5%	1/4W
R266	1-216-043-91	METAL GLAZE	560	5%	1/10W
R267	1-249-415-11	CARBON	680	5%	1/4W
R268	1-216-025-91	METAL GLAZE	100	5%	1/10W
R269	1-216-025-91	METAL GLAZE	100	5%	1/10W
R270	1-216-041-00	METAL GLAZE	470	5%	1/10W
R271	1-249-415-11	CARBON	680	5%	1/4W
R272	1-249-417-11	CARBON	1K	5%	1/4W
R275	1-249-425-11	CARBON	4.7K	5%	1/4W
R276	1-249-425-11	CARBON	4.7K	5%	1/4W
R277	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R279	1-216-025-91	METAL GLAZE	100	5%	1/10W
R280	1-216-033-00	METAL GLAZE	220	5%	1/10W
R281	1-216-033-00	METAL GLAZE	220	5%	1/10W
R282	1-216-025-91	METAL GLAZE	100	5%	1/10W
R283	1-216-025-91	METAL GLAZE	100	5%	1/10W
R284	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R285	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R286	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R288	1-247-815-91	CARBON	220	5%	1/4W

UV

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R289	1-247-815-91	CARBON	220	5%	1/4W
R290	1-247-815-91	CARBON	220	5%	1/4W
R291	1-216-025-91	METAL GLAZE	100	5%	1/10W
R293	1-216-025-91	METAL GLAZE	100	5%	1/10W
R294	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R304	1-249-417-11	CARBON	1K	5%	1/4W

MISCELLANEOUS

*	1-556-945-21	CABLE, P-P (KV-32S36)
*	1-557-056-31	CABLE, P-P (KV-32S36)
*	4-052-905-01	V5/6 BRACKET (KV-32S36)
	8-598-414-00	ANTENNA SWITCH AS-2F (KV-32S36)
⚠	1-402-952-11	COIL, DEMAGNETIZATION (except KV-34RS26C)
⚠	1-411-474-11	COIL, DEMAGNETIZATION (KV-34RS26C)
	1-504-531-11	SPEAKER (13.1X6.2CM)
⚠	1-751-057-11	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-32TW26)
⚠	1-751-059-11	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-32S22/32S26/32S36)
⚠	1-769-796-41	CORD, POWER (WITH CONNECTOR) 10A/125V (KV-34RS26C)
⚠	8-451-482-21	DY Y34FXA2-X
⚠	8-733-745-05	CRT 34FXD2 (M80JYV51X) (KV-32S22/32S26/32S36/32TW26)
⚠	8-733-746-05	CRT 34FXD2 (M80JYV51X) (KV-34RS26C)

ACCESSORIES AND PACKING MATERIALS

	3-859-518-22	MANUAL, INSTRUCTION (except KV- 32S22)
	3-859-519-21	MANUAL, INSTRUCTION (KV-32S22 only)
*	4-040-146-01	INDIVIDUAL CARTON (KV-32S22/32S26/32S36)
*	4-053-179-01	INDIVIDUAL CARTON (KV-32TW26)
*	4-053-958-01	INDIVIDUAL CARTON (KV-34RS26C)
*	4-049-758-11	BAG, PROTECTION (except KV-32TW26)
*	4-041-259-01	BAG, PROTECTION (KV-32TW26 only)
*	4-052-547-01	CUSHION (UPPER) (ASSY) (except KV-32TW26)
*	4-053-962-01	CUSHION (UPPER) (ASSY) (KV-32TW26 only)
*	4-052-548-01	CUSHION (LOWER) (ASSY) (except KV-32TW26)
*	4-053-959-01	CUSHION (LOWER (ASSY) (KV-32TW26 only)

REMOTE COMMANDER

	1-473-748-31	REMOTE COMMANDER (RM-Y135A) (KV-32S22 only)
	1-473-749-31	REMOTE COMMANDER (RM-Y136A) (except KV-32S22)
	4-978-977-01	LID, BATTERY COVER (for RM-Y135A/136A)

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